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REPORT OF TRACHOMA CLINIC CONDUCTED AT PELHAM, MITCHELL COUNTY, GA., NOVEMBER 14, 1921-APRIL 1, 1922.

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At the request of the State health officer of Georgia, an investigation of trachoma was instituted in Mitchell County, South Georgia, in September, 1921.

It appeared that one of the eye specialists in a near-by town for some time had been receiving patients from Mitchell County that he believed to be suffering from true trachoma. Since the patients lived at some distance and did not cooperate with the doctor, the treatment was more or less unsatisfactory. He reported this to the local authorities and suggested that the Public Health Service be requested to determine the real nature of these cases. The result was the request from the State health officer for an investigation.

In September, 1921, the writer arrived in Camilla, the county seat of Mitchell County. The county school superintendent furnished transportation, and one of the trachoma cases, an ex-soldier, acted as guide for visits in the rural districts.

The infection was thought to be most general in the southwestern portion of the county, and the investigation was accordingly commenced there. The actual survey in the county occupied only one day, September 15, 1921. On this day two schools were examined and a number of homes in that section of the county were visited. One of the schools was very small, and only a few suspicious cases were found. The other school, however, had about 130 pupils and was found to be heavily infected with trachoma. Of the homes visited, one consisted of the parents and six children—the parents were about 40 years of age and the ages of the children ranged from 2 to 18 years, all suffering from positive trachoma. The mother had completely lost the right eye as a result of trachoma, and vision in the left was reduced to the ability to count fingers at a few feet. Practically all of the sequelæ were present and the entropion and trichiasis were very marked. Another family visited consisted of five members—all suffering from positive trachoma, with the exception of the father. The mother, aged 25, had had trachoma for years and was unable to care for her little children on account of her eyes. Her three children suffered from well-marked cases of this disease.

Another family visited showed the father, aged 55, to be affected with trachoma of the papillary type. The conjunctiva was markedly hypertrophied, presenting the strawberrylike appearance; there were pannus, marked photophobia, and reddened, angry-looking skin of the eyelids. The family of this man consisted of some six or eight children, only three of whom were at home at the time of the examination. These three were found to have positive trachoma. Other cases of trachoma were found in the various neighborhoods—a total of 30 cases being found and examined during the day. These cases left no room for doubt as to diagnosis, since the majority of them already had the sequelæ of the disease, including cicatricial contraction of the conjunctiva, pannus, photophobia, etc. A subsequent examination some months later showed many more trachoma cases, some of whom had lost both eyes from trachoma; others had been blinded in one eye, and a considerable number of others had had their vision greatly reduced as a result of this disease. Many of these showed the cicatricial contraction of the conjunctiva, leukoma, and other undoubted sequelæ of trachoma.

Further primary investigation was deemed useless, as the first day of the survey showed an extremely serious condition in Mitchell County, and one which demanded immediate and drastic action on the part of the local authorities. The county commissioners and persons locally interested were informed of the findings of the survey. A report was made also, both personally and in writing, to the State health officer in Atlanta. He was advised of the seriousness of the situation and urged to see that some action was taken by the county commissioners without delay. There was no health officer in Mitchell County at that time. In undertaking this public health work it was believed to be most essential that the county have a full-time health officer to cooperate, and this matter was brought to the attention of the State health officer.

The plan outlined for the relief of the situation was a trachoma clinic—the Public Health Service to furnish a medical officer and two nurses, experienced in trachoma work, and the county commissioners to supply the hospital building and pay all expenses incident to the clinic. While it was impossible to give in advance any accurate estimate of the amount of money needed, it was suggested that the county secure the use of a building and appropriate \$1,000 as a start.

In Pelham, which is in Mitchell County and very near the county seat, a small modern hospital was found to be available. This hospital and a connecting residence had been built very recently by a private physician. It had, however, proved a financial failure and the county was thus able to secure both buildings for the trachoma work.

The clinic was opened for the reception of patients on November 14, 1921, after having been advertised a few days in advance. The opening was attended by health officers and medical men from many sections of Georgia, the county commissioners, and other interested citizens.

While the hospital and clinic were established for the purpose of preventing the spread of trachoma and eradicating the existing cases, the State department of health, local physicians, including some of the eye specialists, the county commissioners, and others, requested that all other conditions affecting the eye, ear, nose, and throat be treated when occurring in indigent patients. None of the medical men in this county practice these specialties, and under the conditions the request was therefore complied with.

The staff of the hospital consisted of Passed Asst. Surg. J. L. Goodwin (R) and nurses Nora Tonnemacher and Anna M. Nimmo. Doctor Goodwin is an eye specialist with years of trachoma experience, and the nurses have been on duty for several years on the Public Health Service trachoma hospitals. Attendants were supplied by the county. The capacity of the hospital was about 25 beds. All patients were furnished not only free treatment, but free bed and board at the expense of the county for the time they remained in the hospital.

Immediately after the clinic was started, the large number of patients applying overran the hospital, and it was necessary to keep a waiting list and notify them when they could be admitted for treatment. The response was immediate and most unusual; the patients came in when told and cooperated in every way for the successful handling of such a large clinic. From start to finish the clinic proved to be an exceedingly busy one, and the doctor and nurses were on duty practically all of the time, as it was not unusual to have more than 100 dispensary cases during the day, in addition to the operative work, which was usually done in the early afternoon.

In order, therefore, to visit the rural schools, it was necessary to arrange in advance so that as few patients as possible would apply for treatment on those days when the medical officer in charge was visiting the schools in the county. Every school in the county—32 in number, with 1,948 pupils—was examined. This work was done in cooperation with the county health officer.

While previous to the establishment of the trachoma clinic there had been some action taken looking toward the appointment of a county health officer, some opposition apparently had developed and the appointment had not been made. Very soon after the commencement of this public health work the health officer was appointed and rendered valuable assistance to the medical officer in the district work.

In this district work and examination for trachoma, the cases ranged from those of well-marked, long-standing, positive trachoma with the sequelæ, including total blindness in a number of cases, to the lighter forms of lid trouble and simple conjunctivitis. While in some of these cases it was impossible to determine at once the true diagnosis, they were all cured in the interest of public health.

The clinic was in operation from November 14, 1921, to April 1, 1922, inclusive—a period of four and one-half months. During this time a total of 381 operations were performed, 90 under general and 281 under local anesthesia, for various conditions of eye, nose, and throat.

Aside from the public-health aspect of this question, many of the cases admitted to the hospital presented that pathetic appearance which is so commonly seen in the trachoma clinics and which appeals to the humanitarian side and stimulates the workers to the highest possible effort to retain the flickering light all but lost as a result of this mutilating disease. It can be said, therefore, that the sight of many of these children has been saved, and many have been relieved of their trachoma in time to prevent total destruction of the eye. Mothers have been restored to their places in their families, fathers resumed their work as bread winners, and children returned to school as a result of this public health endeavor by the United States Public Health Service, the State of Georgia, and the local authorities.

The doctor and nurses were instructed to conduct this trachoma hospital in exactly the same manner as that used at the Public Health Service trachoma hospitals. The housekeeping was under the direct supervision of the nurses. During the four and one-half months that the clinic was in operation there were admitted to the hospital 224 persons (the total number of admissions was 302, some of these being readmitted after being discharged to their homes for various reasons). The total hospital cost to the county, not including fuel, light, water, and telephone, was \$1,874.73. The subsistence cost for the four and one-half months (nurses, attendants, and patients) was \$944.42; the number of meals furnished was 7,153, the average cost per meal being a little over 13 cents, which is believed to be about as economical as is consistent with a balanced ration. The hospital was not completely furnished, and about one-fourth of the total cost was spent for cots, blankets, etc., which remained on hand after the clinic closed and were available for other uses.

The origin of the trachoma in Mitchell County dates back at least several generations, and apparently is found in the ancestors of the first family visited in the original survey. Mrs. S., aged 70 years, two sons (one of whom is blind), and their families, all have trachoma. Mrs. S.'s sister, Mrs. F., aged 67 years, is totally blind from trachoma. These people are sturdy, honest farmer folk, of true American stock, whose ancestors settled this country, and their phys-

ical condition is excellent but for this terrible handicap. The history is obtained from Mrs. S. and Mrs. F., that their mother, a Mrs. Sn., had "chronic sore eyes." Mrs. Sn. apparently had lived in Mitchell County most of her life, but some of her younger days were spent in Florida. If history is to help in tracing the genuine cases of trachoma, I believe we can go back to this Mrs. Sn., but there the chain is lost in the fourth generation.

HOSPITAL REPORT.

Dispensary relief:

Total attendance.....	3, 111
Average daily attendance.....	25
Treatments given outpatients.....	3, 118
Treatments given house patients.....	8, 208
Total treatments given.....	11, 326

Cases trachoma cured.....	200
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Hospital relief:

Patients admitted to hospital.....	302
Days relief furnished.....	2, 052
Meals furnished.....	7, 153
Rations furnished.....	2, 694

Operations performed:

Grattage.....	336
Entropion.....	8
Tarsectomy.....	1
Canthotomy.....	3
Iridectomy.....	1
Cataract extraction.....	2
Pterygium.....	8
Conjunctival adhesion.....	1
Removal foreign body.....	1
Chalazion.....	2
Tonsillectomy.....	7
Adenoidectomy.....	11
Total.....	381

General anesthesia.....	90
Local anesthesia.....	281

Rural examinations:

Number examinations held.....	19
Children examined.....	243
Adults examined.....	231
Trachoma cases found.....	8
Suspicious cases found.....	10
Conjunctivitis and follicular.....	28

Financial statement:

Groceries, etc.....	\$679. 97
Meats.....	115. 90
Milk and butter.....	148. 55
Drugs.....	184. 75
Miscellaneous.....	405. 56
Salaries attendants.....	340. 00
Total.....	1, 874. 73

The cases treated have practically all been cured, and it is believed that almost all trachoma cases in Mitchell County have been treated. A few cases of the old chronic type of trachoma, which showed a disposition to relapse, were probably not entirely cured. These cases have been turned over to the county health officer for further treatment. The county health officer acted as understudy to the medical officer in charge for some weeks in order that he might learn the proper procedure and treatment in dealing with these cases.

Splendid work was done by the medical officer in charge and the two nurses assisting him. Although on duty practically all the time during the four and one-half months, they were tireless in their efforts and unfailing in their interest and enthusiasm throughout the entire time. They deserve special mention in this connection for faithful, conscientious, and loyal service. It is a pleasure to state that the citizens of the community appreciate their ability and the help given in this piece of public health work.

With appreciation, acknowledgment is made of the thorough co-operation of the State board of health, the county commissioners of Mitchell County, the local physicians, and interested citizens, which made the work possible and assured its success.

TRACING SPECIFIC SOURCES OF RURAL ENDEMIC TYPHOID.

AN EPIDEMIOLOGICAL STUDY OF RURAL TYPHOID FEVER IN TWO COUNTIES OF MARYLAND.

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The evidence gathered in routine epidemiological studies of endemic typhoid fever in rural communities has, in many instances, proved to be so indefinite and disconnected that specific sources of infection for individual cases, and groups of cases, could not be clearly identified. With this fact in mind, a study was inaugurated by the writer in April, 1920, in Washington and Frederick Counties, Md. It was believed that if individual endemic foci could be delimited, and sufficiently detailed data obtained regarding these foci, specific chronic sources of infection might be found with greater ease.

Plotting Foci.

Spot maps were prepared showing the location and year of occurrence of each typhoid case reported to the State department of health from the two counties during the years 1916, 1917, 1918, and 1919 (see maps). These maps showed some striking features in the distribution of cases. In many instances, where decided clumping of cases was noted, it was found that this was due to the occurrence of cases year after year, indicating chronic endemic conditions rather

than transient epidemic ones. Fifteen "communities," or "areas," were then outlined, seven in Washington County and eight in Frederick County (see maps). Each of these areas showed clumping of cases, indicating one or more focal points. In outlining the areas, an effort was made to include focal points apparently bearing some epidemiologic relationship to each other. These areas were not intended, however, to show even approximate equality in size or in population, the boundaries being arbitrarily made on the basis of relationship of apparent foci.

A chronological list of cases was then made for each of the 15 areas, showing the name of each case, its location, and date of occurrence. Later, the name of the householder in each case was added. See list, "Hancock-Pectonville area" (W-1).

A glance at this list and at its corresponding area on the map will show at once the distinct grouping of cases year after year. Comparison of areas in each county will show a like grouping. In other words, these maps seem to show endemic focal areas with rather definite focal points.

Investigation of New Cases.

As new cases were reported, careful case histories were obtained. Focal area lists were found to be of great assistance in the field in reviewing the previous typhoid history of a community and its relation, if any, to a case under investigation. Personal contacts were given closer scrutiny than sources of water supply or sanitary condition of premises.

In taking histories, particular attention was given to the following points:

1. Places at which food or drink had been taken within 30 days previous to onset.
2. Family history of typhoid.
3. History of typhoid in personal contacts.
4. Visitors, within 30 days of onset.
5. Contact, within 30 days of onset, with any cases of illness resembling typhoid.

Places of contact.—Places of contact were designated by three terms: local, foreign, and mixed.

Local contact history was subdivided into two groups: (a) One in which food or drink had not been taken outside of the immediate area, wherein the patient's home was located, within 30 days of onset; (b) one in which food or drink had been taken outside the home area, but not outside the two counties under investigation, within 30 days of onset. Detailed information was obtained as to places away from home where food or drink had been taken; also information regarding personal contact with known or suspected

typhoid cases at such places. Cases giving the first variety of local contact history were, of course, most valuable in indicating local sources of infection.

Cases giving history clearly indicating a source of infection outside of the counties under study were designated as foreign, and were not included in the study.

Cases giving both local and foreign history were designated as mixed. In such cases, contacts were often so numerous and complicated that epidemiologic analysis was rather difficult.

Family history.—Any history of previous typhoid in a member of the family was given careful consideration as to date and history at the time of infection. If a mother, or other person in a home, connected with the preparation of food, gave such a history, or if any past history indicated a mother, or other person, as a possible source of infection for previous cases in the family, this fact was noted. Any history of repeated occurrence of typhoid in the same family, particularly in the absence of typhoid in neighboring families having many community contacts in common, was regarded as evidence of a carrier, either in the immediate family or in a frequent family contact.

History of typhoid in personal contacts.—In investigating a case, the names on the list of previous cases in the area in which the patient lived or had had contact, were discussed with the informant, and, if possible, with the patient, in order to learn if any of the persons enumerated, or members of the families of these persons, had been associated with the patient within 30 days of onset. Similar history for periods previous to 1916, not covered by case reports, was also sought.

Visitors.—This portion of the history applied particularly to persons, especially women, who had, within 30 days of the onset of the disease in the patient, eaten at the family table, or had assisted in the preparation of any meals eaten by the patient.

Contact, within 30 days of onset, with cases of illness resembling typhoid.—This portion of the history was given special attention in cases furnishing no other definitely suspicious history. If the history produced information indicating personal contact, or contacts, as a probable source of infection, careful inquiry was made as to history of typhoid, or suspected typhoid, in such a contact, also the presence of chronic abdominal trouble, and history of typhoid in his or her associates since the time of an attack. If facts in connection with the history seemed to justify it, feces and urine cultures were obtained to determine the presence, or absence, of typhoid or paratyphoid bacilli.

Record was made of all personal contact suspects for reference in investigation of future cases, giving history of contacts in the areas where the suspects lived. (See Sample Typhoid Case Histories.)

Epidemiologic Findings.

From April 1, 1920, to December 31, 1920, 63 cases of rural¹ typhoid were investigated according to the foregoing method.² Six cases gave histories indicating that infection had occurred outside the two counties under study. Four of these were imported after the onset of symptoms. The remaining 57 cases furnished data indicating that infection had been contracted locally.

TABLE I.—*Classification of cases according to probable source of infection.*

Probable source.	Number of cases.	Per cent of total.
Contact with reported cases.....	2	3.5
Contact with unrecognized cases.....	11	19.3
Contact with demonstrated carriers.....	19	33.3
Contact with specifically located sources.....	32	56.1
Probable source unknown.....	25	43.9
Total.....	57	100.0

Local sources of infection specifically located.—Thirty-two of the 57 cases, or 56.1 per cent, gave history of contact with specifically located sources (see Table I).

Two cases gave history of direct contact, within 30 days of onset, with a previously reported convalescent case in the immediate family; and 11 reported cases gave history of direct contact, within 30 days of onset, with an unreported suspected case. Nine of these 11 cases had eaten at the same table with a suspected case during the period of convalescence.

In connection with the investigation of this group of cases, 7 suspected cases were found in which the clinical history and findings seemed to warrant a diagnosis of typhoid. None of these had been reported. Prophylactic measures had been taken in only two instances.

Nineteen cases gave history of direct contact with a demonstrated carrier. Ten carriers were demonstrated during the study (see Table II). Feces and urine cultures were obtained from 28 suspects, with 18 negative results. Bacteriological examinations were made by Dr. R. C. Salter, State bacteriologist of Maryland, and confirmed by the Hygienic Laboratory of the United States Public Health Service at Washington, D. C. Organisms identified by cultural methods were, in all instances, confirmed by agglutination.

Without exception, the above 19 cases gave a history of direct contact with a bacteriologically demonstrated carrier within 30 days previous to onset, and in 14 instances the case lived in the same

¹ Cases occurring in towns and villages of over 600 population were not considered rural.

² Exclusive of a water-borne outbreak of 22 cases which occurred at Security, Washington County, during November, 1920.

house with the carrier and repeatedly ate at the same table, within a like period. In 8 cases a carrier had helped in the preparation of food eaten by the patient, within 30 days of onset.

Local sources of infection not specifically located.—Twenty-five cases, or 43.9 per cent, did not give history of contact with specifically located sources.

Contact with transients: Two of these cases had, however, been employed at "fruit-picking" camps where many transients were employed, where sanitary precautions were not the best, and where there were opportunities for contact which could not be specifically located.

Contact with suspected carriers: In six cases, contact with a carrier was the suspected source of infection, but no positive culture could be shown in any suspected personal contact.

Polluted drinking water: The history obtained in seven cases indicated polluted drinking water as a possible source of infection. In none of these, however, could other possibilities be excluded with sufficient clearness to consider drinking water as the probable source of infection.

Doubtful diagnosis: Of four reported cases in which the diagnosis seemed doubtful, two developed symptoms within 10 days after a major abdominal operation. If the diagnosis were correct, it would seem, from the history obtained, that it was more likely that these patients were infected in the hospital on account of faulty antityphoid precautions, than that infection had occurred previous to entry into the hospital. Both had a positive Widal reaction.

In another case, a child convalescing from whooping cough developed an elevation of temperature and some abdominal symptoms. It was diagnosed and reported as typhoid. A few days later this child passed a large number of round worms. The temperature then subsided. No Widal test was made in this case.

The remaining case had an elevation of temperature which lasted for five days. A positive Widal reaction was obtained. The attending physician stated that he did not believe that the clinical symptomatology justified a diagnosis of typhoid fever, but that the case had been reported on the basis of the positive Widal reaction.

Carriers and Endemic Foci.

The potential relation of a carrier to an endemic focus of typhoid is rather clearly suggested in the case of carrier No. 7,^s living near Millstone, Washington County. This woman, the wife of a rural storekeeper, had assisted her husband in the store for the past four years. During the summer months of each year, ice cream was sold at this store each Saturday afternoon and evening. The carrier

^s See sample history No. 1.

usually served the ice cream and attended to the washing of the dishes and other utensils used. As this store is patronized by practically all of the residents in the Pectonville district, it seems distinctly possible that the woman has played some part in the causation of this focus. (See map of Washington County.)

In the Bolivar area in Frederick County, 32 cases of typhoid were reported during the five-year period 1916-1920. Ten of these cases were in persons repeatedly associated with carrier No. 10.⁴ Seven of these persons were relatives of the carrier.

The case of carrier No. 9,⁵ living at Security, Washington County, also shows some rather interesting details. The focal list for this area shows the occurrence of four cases of typhoid at Security⁶ during the four-year period—one in 1916, two in 1917, and one in 1918. All of these cases were colored men living at Security and employed at the Security cement mill, one being a cousin of the carrier who frequently ate meals at the carrier's home. As the colored population of Security is only 10 per cent of the whole population and lives in a segregated part of the village, it seemed somewhat significant that all of the cases appearing on the focal list should be colored men. In 1920, out of 32 cases of typhoid occurring at Security (of which 22 were considered to be water borne), only three were colored. Two of these three were stepsons of the carrier, living at the same house and eating at the same table. For three years previously this carrier had been a vender, selling cuts of pies and cakes, purchased from a Hagerstown bakery, to workmen at the Security mill. It is understood that much of his patronage was from the colored workmen.

As the study progressed and focal data accumulated, the important rôle of carriers in the causation of foci became increasingly evident.

TABLE II.—*List of carriers.*

No.	Age.	Sex.	Color.	Organism in feces.	Organism in urine.	History of previous typhoid.	Number of cases traceable in 1920.
1	43	F.	W.	B. typhosus.....	.....	^a 1903	2
2	38	F.	W.	do.....	.....	1917	3
3	36	F.	W.	do.....	B. typhosus.....	1919	1
4	45	M.	W.	B. paratyphosus B.....	.....	None.	4
5	5	M.	W.	.....	B. paratyphosus B.....	^b 1920	3
6	41	F.	W.	.....	do.....	None.	1
7	30	F.	W.	B. typhosus.....	.....	1912	1
8	26	F.	W.	do.....	B. typhosus.....	1913	1
9	48	M.	C.	B. paratyphosus B ^c.....	.....	1903	2
10	43	F.	W.	B. paratyphosus B.....	.....	None.	1

^a Seventeen cases traceable since 1903. Most of these in West Virginia, the former residence of the carrier, who, at the time this report was made, was a resident of Cumberland, Md.

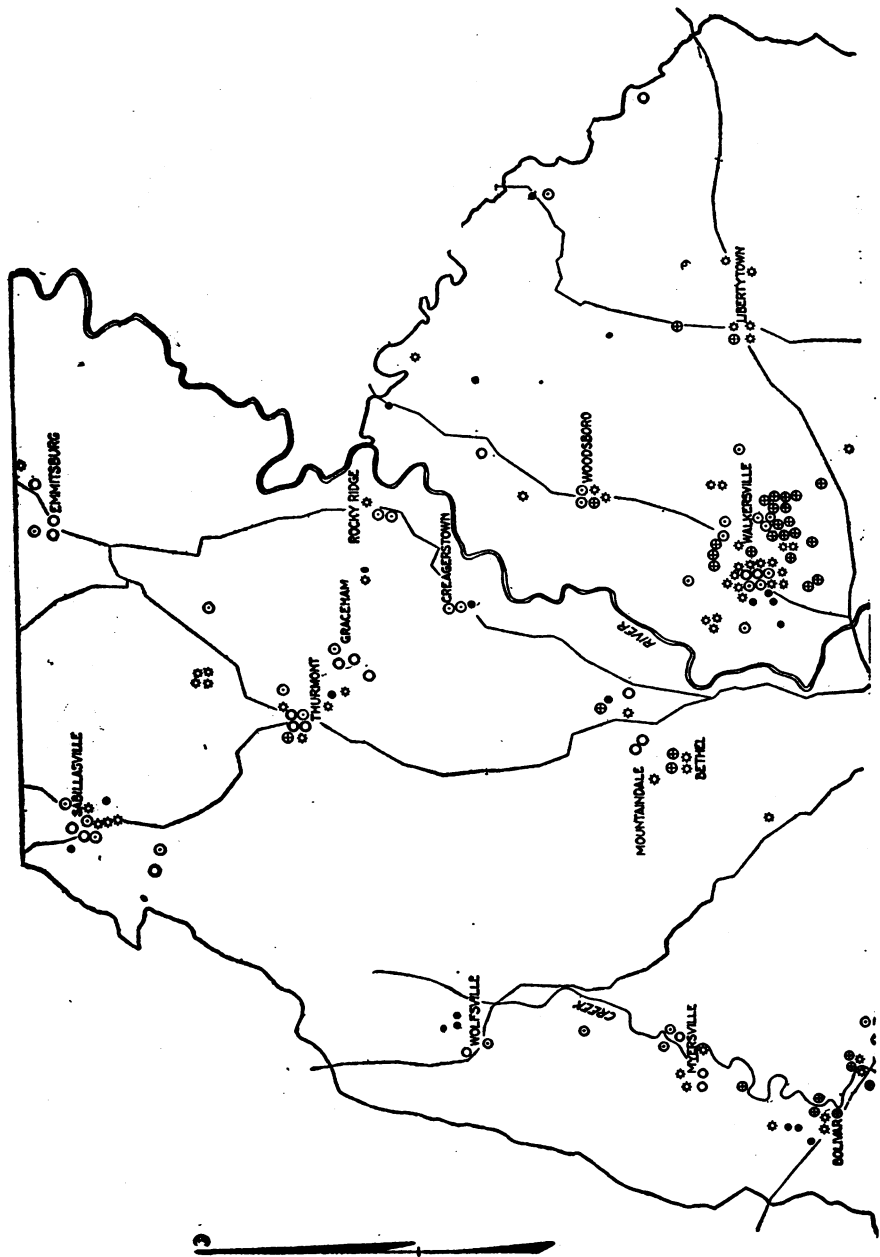
^b Suspicious history in April, 1920; culture obtained Aug. 10, 1920.

^c B. paratyphosus A according to diagnosis at the Hygienic Laboratory of the U. S. Public Health Service.

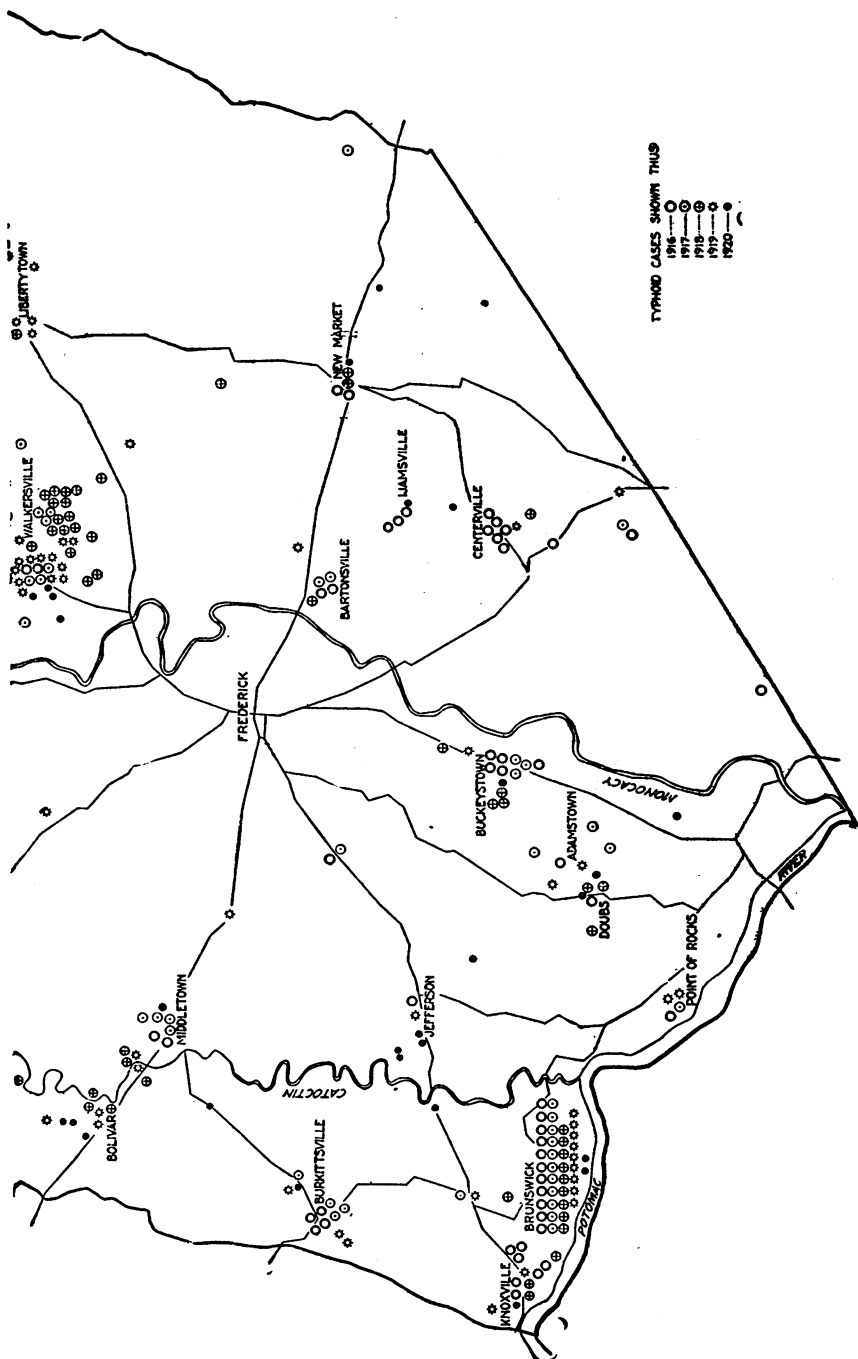
^d See sample history No. 4.

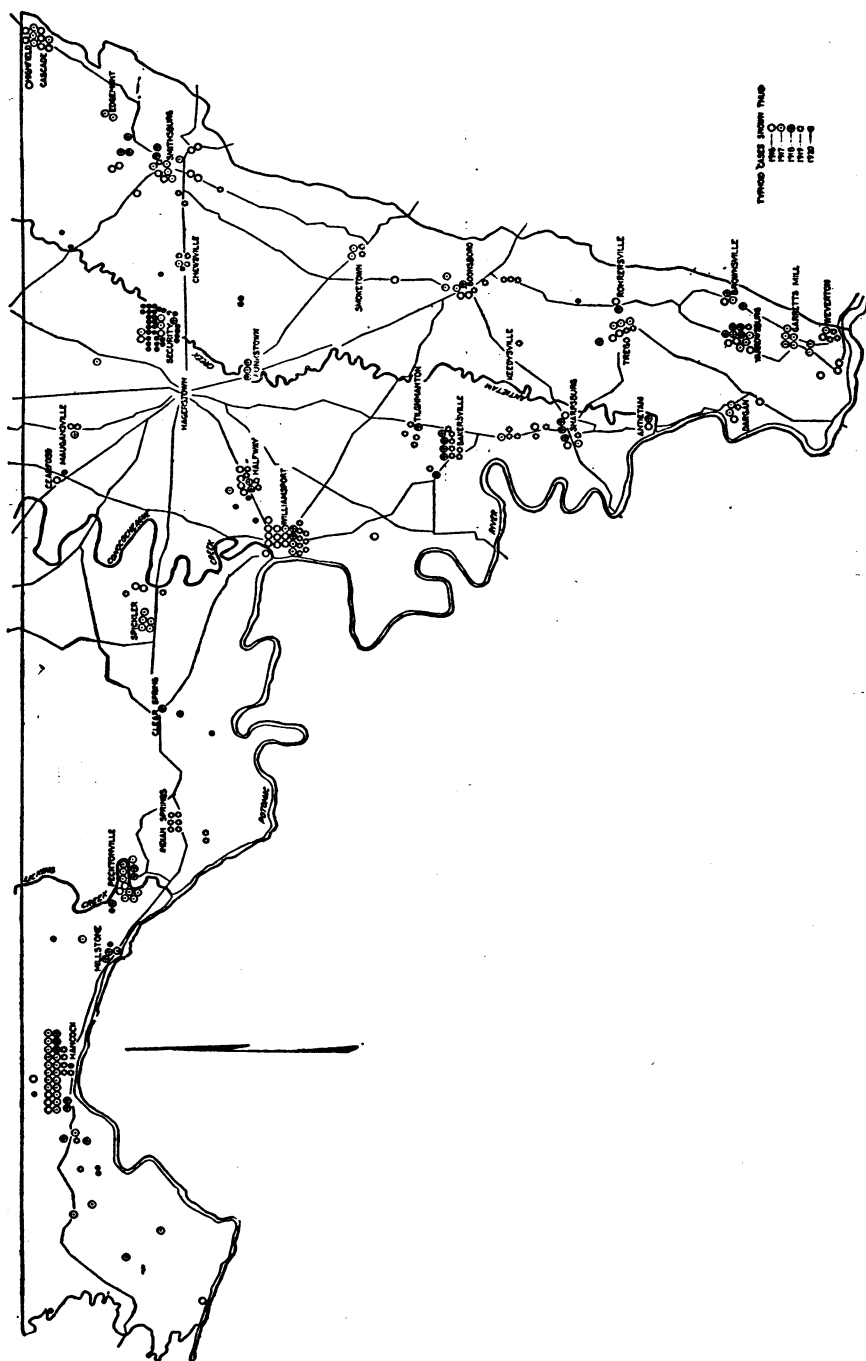
^e See sample history No. 3.

^f Estimated population 200 to 300 (variable).



September 1, 1922,





Carriers and Extra Focal Infection.

The possible relation of carriers to the occurrence of typhoid at more or less distant points, is worthy of mention. Five of the carriers found, Nos. 1, 2, 3, 6, and 10, were directly associated with the production of milk on farms from which milk was shipped to distant points each day. In four instances the milk was pasteurized before consumption. As far as could be learned, no milk outbreaks had occurred during the year 1920 traceable to any of these supplies.

Three other carriers, Nos. 4, 5, and 9, live on the watershed of a stream used as a source of water supply for a city whose population is 28,096. All three live less than a mile from the stream, and less than a mile above the point of intake of the public water supply. This water, however, is carefully filtered and chlorinated before consumption, but any interruption of such treatment would open up a channel of infection continuously subject to the possibility of fresh pollution close at hand. In past years this city has had a relatively high typhoid rate, but pollution of the water supply by these carriers, as a factor in the causation of this high typhoid rate, is a matter of conjecture.

Conclusions.

This study would seem to indicate direct contact with bacteriologically demonstrable typhoid carriers as the most prolific source of endemic rural typhoid, and direct contact with unrecognized cases as the next most important source.

The endemic typhoid history of the two counties studied, in former years, as indicated by focal lists, apparently shows a higher percentage of cases secondary to contact with reported cases during the active and convalescent stages, than was found in the cases for the year 1920.

It seems probable that if it could be shown that over 50 per cent of the group of typhoid cases studied had dangerous contact with demonstrated carriers, or with unrecognized clinical cases, there must have been additional cases who had such contact not brought out in the history obtained.

It is believed that the above experience is not unusual in the counties studied. In areas where carriers were found, the relationship of the carriers to cases reported in previous years seemed strongly to suggest carrier infection. It therefore does not seem to be an exaggeration to state that probably more than 30 per cent of cases of endemic rural typhoid fever reported each year in these counties are traceable to contact with chronic carriers, and more than 20 per cent to contact with unrecognized cases. It may be that such a conclusion has a very much wider geographic application. If this is

found to be true, the demonstration of carriers, as well as practical measures for the prevention of the spread of typhoid by carriers, should receive more careful consideration than has been given in the past. Better notification in suspected cases, with prompt institution of prophylactic measures, would also seem to be an important factor in the control of rural typhoid.

Polluted rural water supplies and insanitary privy conditions were not shown to be a prominent factor in the causation of this group of cases. This may be due to the fact that cases associated with demonstrable sources of infection gave history of direct contact with these sources. Six of the ten carriers demonstrated lived in homes provided with protected water supplies and sanitary privies or closets. Protection of water supplies and sanitation of privies are, no doubt, extremely important antityphoid measures which should be carried out with all vigor in rural communities, but it may be that these measures do not play as large a part in the prevention of endemic rural typhoid as has been believed.

The method of investigation outlined shows many opportunities for refinement and extension. Its simplicity, however, permits its trial by county health officers and other field investigators in rural communities in connection with routine typhoid work.

Appendix.

Typhoid list, Hancock, Pectonville area (W-1).

1916.

Name.	Address.	Date.	Householder.
Harry A.	Hancock	August....	Harry A.
John B.	Pearre.....	September	John B.
Leo C.	Hancock, R. D.	do.....	Leo C.
Perry D.	Hancock.....	October....	Perry D.
Katherine E.	do.....	do.....	E. E.
Mrs. H. F.	Pectonville.....	do.....	Harry F.
Daisy F.	do.....	November	Harry F.

1917.

Sallie G.	Pectonville.....	January...	Garrett G.
Harry F.	do.....	do.....	Harry F.
Louisa F.	do.....	do.....	Levi H.
Katie H.	Hancock.....	March.....	Daniel G.
Willard G.	Millstone.....	April.....	Mrs. S. J.
Roy J.	Hancock.....	May.....	W. G. L.
Mrs. Benj. K.	do.....	June.....	Mrs. Benj. K.
Jesse L.	do.....	do.....	T. G. M.
Marshall M.	Long Hollow.....	do.....	F. E. N.
Dorothy N.	Pectonville.....	August....	Harry G.
Lena G.	do.....	do.....	Roy O.
Maryanne O.	Hancock.....	do.....	L. E. P.
Mary P.	do.....	do.....	Mr. Nevin Q.
Mrs. Nevin Q.	Pectonville.....	September	Geo. R.
Mary R.	do.....	do.....	Geo. S.
Geo. S.	Hancock.....	do.....	Lucy R.
Wm. R.	Pectonville.....	October....	Chas. T.
Chas. T.	Hancock.....	do.....	Thos. U.
Mabel U.	Exline.....	do.....	

¹ The letters (A, B, C, AA, BB, CC, etc.) used in lieu of surnames are not initial letters but are arbitrarily assigned, each letter or letter combination signifying a particular surname. Where the same letter recurs in the list, reference to the householder will show whether the successive cases are in the same household or in different households having the same name.

Typhoid list, Hancock, Pectonville area (W-1)—Continued.

1917.

Name.	Address.	Date.	Householder.
Mrs. Lucy V.	Tonoloway Orchard.	October...	Mrs. Lucy V.
Albert W.	Hancock.	do.	Albert W.
Alice X.	do.	do.	Frank X.
Francis Y.	do.	do.	Jean Y.
Earl Z.	do. ¹	do.	Scott X.
M. A. F. X.	do.	do.	C. W. X.
Gregory Y.	do.	do.	Jean Y.
Mrs. R. M. AA.	do.	November	R. M. AA.
Richard BB.	Millstone, R. D.	do.	Richard BB.
John CC.	Hancock, R. D.	do.	John CC.
Jas. DD.	Hancock	do.	Grant DD.
Mrs. Clayton EE.	do.	do.	Clayton EE.

1918.

Nervy FF.	Millstone.	February.	Joseph FF.
Lynwood V.	Hancock, R. D.	August.	Mrs. Dennis V.
Mamie GG.	Pectonville, R. D.	do.	Edward GG.
Mrs. Casin HH.	Pectonville.	September	Ed. HH.
R. A.	Hancock	do.	Wm. A.
Allen JJ.	do.	do.	Allen JJ.
Nellie KK.	Pectonville.	October.	Thomas KK.
Brook LL.	Hancock	do.	Rev. W. B. LL.
Rosella EE.	do.	do.	Wm. C. EE.
Leona MM.	Hancock, R. D.	November.	Harry MM.
Esther NN.	Millstone.	December.	Dallis NN.
Milton OO.	Hancock	do.	Milton OO.

1919.

Jack PP.	Hancock	February.	Jack PP.
Marvin QQ.	Big Pool, R. D.	July.	Marvin QQ.
Viola QQ.	do.	do.	Do.
Chas. E. RR.	Indian Spring.	do.	Chas. E. RR.
Lillie G.	Hancock	August.	Claude C. G.
Aubrey W. SS.	Hancock, R. D.	do.	S. C. SS.
Virginia SS.	Hancock	September	H. C. SS.
Lesla TT.	Indian Spring.	do.	Bruce TT.
Paul UU.	do.	October.	V. C. UU.
Ruby UU.	do.	do.	Do.
Samuel VV.	do.	do.	John VV.
Rose V. XX.	Hancock, R. D.	do.	Guy XX.
John YY.	Hancock	do.	John YY.
John ZZ.	do.	November.	John ZZ.
Catherine VV.	Indian Spring.	December.	Mrs. S. E. VV.

¹ Four miles west of Hancock.

SAMPLE TYPHOID CASE HISTORIES.

SAMPLE HISTORY NO. 1.

COUNTY: Washington.

FOCAL AREA: W-1.

NAME OF HOUSEHOLDER: Frank W.

NAME OF PATIENT: Catherine W.

AGE: 7. SEX: Female. COLOR: White.

NO. IN FAMILY: 4. ADULTS: 2. CHILDREN: 2.

MILK BOUGHT: Geo. W.

(father of Mr. W., Millstone, R. D.) USED BY PATIENT? Yes, as beverage.

MILK SOLD: None.

BUTTER SOLD: None.

WATER SUPPLY: Dug well.

ANALYSIS: None. RESULT:

PROTECTED FROM SURFACE DRAINAGE? Yes.

CONDITION: Fair.

SEWAGE DISPOSAL: Privy, "E" type.

DISTANCE OF WATER SUPPLY FROM PRIVY: 75 ft.

DRAINAGE: Towards. Away.

DISTANCE OF WATER SUPPLY FROM BARNYARD: No barnyard.

PROPHYLAXIS: Hospital. Nurse. Bedroom. Immunization of family.

EXCRETA DISINFECTED? Yes. DISPOSAL: Buried.

CASE HISTORY.

EVER IMMUNIZED? No.

PREVIOUS TYPHOID? No.

WIDAL: Positive. BLOOD CULTURE: None taken.

PLACES OF CONTACT WITHIN 30 DAYS OF ONSET: LOCAL—Only at Millstone; visited only one house, that of the McC. family, one-fourth mile away; no meal eaten there. FOREIGN—Visited Washington, D. C., with mother, father, and sister on Sept. 1, 1920; stayed only a few hours; went by automobile and took lunch along; purchased bananas and coca-cola at fruit stand in Washington, exact location unknown. Did not visit anyone and ate no meals except lunch prepared at Millstone before departure.

FAMILY HISTORY: Mother had severe attack of typhoid in 1912, followed by abscess in her "side," had frequent attacks of abdominal trouble with pain in right side. No other typhoid history.

HISTORY OF TYPHOID IN PERSONAL CONTACTS: There was no history of contact within 30 days of onset with any person on the focal list, or otherwise known to have had typhoid, or the members of the family of any such person, with the exception of the mother.

VISITORS: The only visitor eating a meal at the W. home was the patient's grandfather, Henry H., who has never had typhoid. The only other visitors were the McC. children, playmates of the W. children.

CONTACT WITH UNREPORTED CASES: Lucille W., age 12, sister of the patient, was sick for about one week, Sept. 19 to 26. The attending physician thought she might be developing typhoid, but her symptoms cleared up on Sept. 26. At about the same time two of the McC. children had similar symptoms. Mrs. W. attributed all of the cases to bathing in the C. & O. Canal near by, as the children were wading or bathing there almost every day. (All cases probably primary—three suspected cases and one positive case.)

SUSPECTED SOURCES: Mrs. W. suspected carrier;¹ C. & O. Canal polluted water.

SAMPLE HISTORY NO. 2.

COUNTY: Frederick.

FOCAL AREA: F-3.

NAME OF HOUSEHOLDER: J. I. L.

NAME OF PATIENT: Wm. L.

AGE: 7. SEX: Male. COLOR: White.

NO. IN FAMILY: 4. ADULTS: 2. CHILDREN: 2. OTHER CASES IN FAMILY? Yes, one—

Flossie S., age 16, colored domestic; onset April 2, 1920.

MILK BOUGHT: None, home supply. USED BY PATIENT? Yes, as beverage.

MILK SOLD: Washington, D. C., through Chapin-Sacks Creamery, Buckeystown. BUTTER SOLD: None.

WATER SUPPLY: Dug well. ANALYSIS: Yes. RESULT: Slightly polluted.

PROTECTED FROM SURFACE DRAINAGE? Yes.

SEWAGE DISPOSAL: A type sanitary can privy. CONDITION: Good.

DISTANCE OF WATER SUPPLY FROM PRIVY: 150 ft. DRAINAGE: Towards. Away.

DISTANCE OF WATER SUPPLY FROM BARNYARD: 300 ft. DRAINAGE: Towards. Away.

PROPHYLAXIS: ~~Health~~ Nurse. Bedroom. Immunization of family.

EXCRETA DISINFECTED? Yes.

DISPOSAL: Buried.

CASE HISTORY.

EVER IMMUNIZED? No.

PREVIOUS TYPHOID? No.

WIDAL: Positive.

BLOOD CULTURE: None taken.

PLACES OF CONTACT WITHIN 30 DAYS OF ONSET: LOCAL—Only at home and at school; carried lunch to school; drank water there. FOREIGN: None.

FAMILY HISTORY: No previous typhoid.

HISTORY OF TYPHOID IN PERSONAL CONTACTS: None, except colored domestic mentioned above who prepared meals while sick; focal list showed no case in this section of F-3.

VISITORS: On March 9 an aunt of patient, Mrs. Susan S., living at Cumberland, Md., arrived for a visit. She stayed until March 20, helping to prepare meals. Informant did not know of any history of typhoid in the aunt.

CONTACT WITH UNREPORTED CASES: On March 19 the father of the patient went to the hospital for an operation for bladder stone; he had no typhoid symptoms as far as could be learned. No other history.

SUSPECTED SOURCES: Mrs. Susan S., suspected carrier (also source for Flossie S.); Flossie S., colored domestic (infectious before onset on Apr. 1? Short incubation in second case?); polluted water.

¹ Feces culture showed *B. typhosus* (carrier No. 7).

² Health officer of Cumberland, Md., was requested to obtain feces and urine cultures on Mrs. Susan S. Feces culture showed *B. typhosus*. Also obtained history of suspected typhoid in 1903. Seventeen cases of typhoid have occurred in her family and persons boarding with her since 1903, most of these in Romney, W. Va. (carrier no. 1).

SAMPLE HISTORY NO. 3.

COUNTY: Washington.

FOCAL AREA: W-6.

NAME OF HOUSEHOLDER: Jas. D.

NAME OF PATIENT: Mansfield S.

AGE: 19. SEX: Male. COLOR: Colored. DATE OF ONSET: November 1, 1920.

NO. IN FAMILY: 7. ADULTS: 4. CHILDREN: 3. OTHER CASES IN FAMILY? No.

MILK BOUGHT: S. dairy, Bridgeport Rd. USED BY PATIENT? Only in coffee.

MILK SOLD: None. BUTTER SOLD: None.

WATER SUPPLY: Public supply, Security. ANALYSIS: None. RESULT:

PROTECTED FROM SURFACE DRAINAGE:

SEWAGE DISPOSAL: "A" type concrete pit sanitary privy. CONDITION: Good.

DISTANCE OF WATER SUPPLY FROM PRIVY: DRAINAGE: Towards. Away.

DISTANCE OF WATER SUPPLY FROM BARNYARD: DRAINAGE: Towards. Away.

PROPHYLAXIS: Hospital. Nurse. Bedroom. Immunization of family.

EXCRETA DISINFECTED: Yes, at hospital. DISPOSAL: Sewer at hospital.

CASE HISTORY.

EVER IMMUNIZED? No.

PREVIOUS TYPHOID? No.

WIDAL: Positive.

BLOOD CULTURE: None.

PLACES OF CONTACT WITHIN 30 DAYS OF ONSET: LOCAL—Only at Security and Hagerstown; ate no meals except at home at Security; drinking water while at work—Security public supply.

FOREIGN: None.

FAMILY HISTORY: Stepfather, age 48, had typhoid in 1903; for years after had some chronic abdominal trouble which he thought was "kidney trouble." Has not noticed this trouble for the past two years.

Brother, James S., age 19, laborer at cement mill, had typhoid in June, 1920.

HISTORY OF TYPHOID IN PERSONAL CONTACTS: The focal list shows four cases for Security for the years 1916-1919, all four colored; all have been associates of the family of the patient, and one a cousin of the stepfather. None of these four old cases lives at Security now. (Only about 10 per cent of the population of Security is colored.) During April, May, June, and July, 1920, 8 cases occurred at Security—7 white, and 1 colored (James S.). Two carriers, an Italian laborer and his son, were found in close association with these cases and were considered to be the sources of infection. From October 26 to December 2, 1920, an outbreak of 23 cases occurred at Security. This was attributed to an unwarranted reduction in the treatment of the public water supply. Mansfield S. was one of the two colored cases in this group.

VISITORS: No history.

CONTACT WITH UNREPORTED CASES: No history.

SUSPECTED SOURCES: Security water supply; James D., suspected carrier.

SAMPLE HISTORY NO. 4.

COUNTY: Frederick.

FOCAL AREA: F-2.

NAME OF HOUSEHOLDER: Foster A.

NAME OF PATIENT: Frances A.

AGE: 9. SEX: Female. COLOR: White.

DATE OF ONSET: November 30, 1920.

NO. IN FAMILY: 11. ADULTS: 2. CHILDREN: 9. OTHER CASES IN FAMILY: No.

MILK BOUGHT: None, home supply. USED BY PATIENT? Yes, as a beverage.

MILK SOLD: Yes: S Creamery, Middletown, Md. BUTTER SOLD: No.

WATER SUPPLY: Spring. ANALYSIS: None. RESULT:

PROTECTED FROM SURFACE DRAINAGE: Yes.

SEWAGE DISPOSAL: "D" type privy. CONDITION: Good.

DISTANCE OF WATER SUPPLY FROM PRIVY: 150 feet. DRAINAGE: Towards. Away.

DISTANCE OF WATER SUPPLY FROM BARNYARD: 400 feet. DRAINAGE: Towards. Away.

PROPHYLAXIS: Hospital. Nurse. Bedroom. Immunization of family.

EXCRETA DISINFECTED: Yes. DISPOSAL: Buried.

CASE HISTORY.

EVER IMMUNIZED? No.

PREVIOUS TYPHOID? No.

WIDAL: None taken. BLOOD CULTURE: None taken.

PLACES OF CONTACT WITHIN 30 DAYS OF ONSET: LOCAL—Only at home and at school, about 1 mile from home; carried lunch to school; drank water there obtained from the farm of Joseph R. Case of typhoid in a child on the R farm, September 19, 1919, none since; no other cases at school. FOREIGN—None.

* Feces culture showed *B. paratyphosus Beta* (carrier No. 9).

FAMILY HISTORY: No previous typhoid in the immediate family; mother of patient has had frequent gall stone attacks for six or seven years. The focal list shows the following cases of typhoid in associates and relatives of the family in previous years: 1917—A minister, Wm. H., and Mrs. E. S., an aunt of the patient, both frequent visitors. 1918—Kate S., an aunt of the patient, and her housekeeper, Mary C. (see VISITORS), also Walter C., employed at the creamery of C. M. S., where the patient's father sells his milk; all associates of the A family. 1919—James S. and Mrs. F. S., aunt and uncle of the patient. 1920—C. M. S., creameryman, cousin of the patient, and Earl P., a cousin. (Contact of these cases with the A family could not be definitely shown to have occurred within 30 days of onset.)¹

HISTORY OF TYPHOID IN PERSONAL CONTACTS: There was no history of contact within 30 days of onset with persons appearing on the focal lists, or otherwise known to have had typhoid, with the exception of that given under "VISITORS."

VISITORS: Two persons appearing on the focal list visited the A home almost every week, Kate S., aunt of the patient, and Mary C., her housekeeper. Both had typhoid in September, 1918. Both frequently ate meals at the A home.

CONTACT WITH UNREPORTED CASES: None.

SUSPECTED SOURCES: Mrs. Foster A., suspected carrier;² Kate S., suspected carrier; Mary C. suspected carrier; polluted drinking water, farm of Jos. R.

Populations.

Washington County.

Town.	Population.	Focal area.
Washington County.....	59,691	.....
Hancock.....	972	W-1
Williamsport.....	1,615	W-2
Funkstown.....	620	W-2
Sharpsburg.....	832	W-3
Boonesboro.....	1,044	W-5
Keedysville.....	394	W-5
Smithsburg.....	585	W-7
Clear Spring.....	538	.....
Hagerstown.....	28,064	.....

Frederick County.

Town.	Population.	Focal area.
Frederick County.....	52,541	.....
Middletown.....	749	F-2
Branswick.....	3,905	F-3
Burkittsville.....	200	F-3
Thurmont.....	1,074	F-4
Emmitsburg.....	940	F-4
Point of Rocks.....	365	F-6
Walkersville.....	596	F-7
Woodsboro.....	385	F-7
New Market.....	274	F-8
Frederick.....	11,066	.....

SMALLPOX OUTBREAK IN GLASGOW SHOWS EFFICACY OF VACCINATION.

Recent figures indicate an increasing prevalence of smallpox. Within the past five years, epidemics have occurred in Scotland, Germany, France, Spain, Australia, Burma, the Philippines, Mexico, Brazil, Argentina, Chile, Costa Rica, Santo Domingo, Canada, and parts of the United States. Case rates per 1,000 population for certain

¹On account of time elapsing between their attack and demonstration of carrier No. 10, they were not classified as cases having definite contact with a known carrier within 30 days of onset.

²Feces culture showed *B. paratyphosus* Beta (carrier No. 10).

States of the United States for the first nine months of the years 1920 and 1921,¹ and the median for the years 1913-1920 are as follows:

Year.	Number of States.	Estimated population.	Case rate, January-September.
1921.....	41	90,907,540	1.21
1920.....	40	87,602,619	1.06
Median, 1913-1920.....	39	85,472,801	.60

The smallpox case rates of 20 States (4 Eastern, 7 Southern, 6 Central, and 3 Pacific) from 1915 to 1920 were as follows: 1915, 0.24; 1916, 0.20; 1917, 0.16; 1918, 0.16; 1919, 1.66; 1920, 2.38.

The number of cases in 1921 in 93 cities was reported by the Metropolitan Life Insurance Co. to be 138 per cent greater than that in 1920; and while the number of cases doubled, there were six times the number of deaths in proportion to the number of cases, the case fatality rate rising from 2 per 1,000 in 1920 to 13 per 1,000 in 1921.

The Bureau of the Census gives the death rates per 100,000 population in the registration area for the successive years 1916 to 1920, respectively, as follows: 0.2, 0.3, 0.4, 0.4, and 0.6.

In view of this increasing prevalence of smallpox and evidence that the disease is becoming more virulent as well as more common, recent data bearing upon the extent and efficacy of vaccination are worthy of widespread publicity. The following report is quoted from The Medical Officer for July 8, 1922:²

After a period of 20 years' comparative immunity from smallpox Glasgow was visited in 1920 and the early part of 1921 with an outbreak of smallpox. During this period 578 cases were notified. Twenty years previously (1900-1902) an outbreak of smallpox in Glasgow occurred, with 2,255 cases, and in the following two years (1903-1904) 1,158 cases were reported. The 1920 outbreak was traced to India and Egypt. *The character of this source of invasion differs much from the type introduced from America, and is invariably much more severe.*³ * * *

A valuable and interesting addition has been made to the history of epidemiology in the annual report (1920) of Doctor Chalmers, medical officer of health for the city of Glasgow, which includes an instruction report contributed by Dr. A. S. W. Macgregor, D. P. H., etc., senior assistant medical officer, Glasgow, * * *.

The details given of the Glasgow epidemic confirm and substantiate the claims of those who advocate vaccination.

¹ It is noted that reports to the United States Public Health Service from 39 States (including the District of Columbia) show a large reduction in the number of cases of smallpox for the first six months of 1922 as compared with the corresponding period of 1921. The number of cases reported by these States for the first half of 1921 was 73,448, as against 20,614 for the first half of 1922—a decrease of 52,834, or 71.9 per cent.

² Some Vaccination Aspects: Glasgow Smallpox Epidemic, 1920-21. The Medical Officer, July 8, 1922. Public Vaccination Service Notes, pp. 3, 4.

³ Italics not in original report.

RECENT VACCINATION.

In 1920, during the prevalence of smallpox in Glasgow, it is stated that there were no less than 225,861 vaccinations and revaccinations at the public expense. Doctor Macgregor adds 124,000 as an estimate of the number done in the ordinary course of infantile vaccination, and estimates a further 100,000 ex-service men who were vaccinated during the war. (It is certain also that over 400,000 of the population were vaccinated or revaccinated during the epidemic of 20 years ago.) This mass of vaccinal protection for the city may truly be said to have had its effect on the 1920 outbreak. The greatest test of the efficacy of vaccination is that during epidemics of smallpox in these days practically all known contacts are vaccinated or revaccinated. Having regard to the extraordinary immunity of contacts so protected, and of doctors, nurses, and smallpox hospital staffs, it is surprising that any reasoning person can contest the claim that recent vaccination protects from smallpox attacks.

In prevaccination days this disease was mainly a disease of childhood. Ever since the introduction of vaccination there has been a shifting of the age incidence of smallpox. In prevaccination days the bulk of the population contracted smallpox—those who survived were immunized (though often disfigured and in various other ways permanently damaged). Since the introduction of vaccination that has been changed. At the present time the adult population of this country is in a better state than it has been since the eighteenth century as regards protection from smallpox. This has been brought about by the millions of vaccinations among service men in the Army and Navy during the Great War. Not so the child population, which is becoming less and less protected, owing to the operation of the vaccination act (1907), the effect of which has been to increase enormously the neglect of the vaccination of infants. Doctor Macgregor draws special attention to this and refers to the tendency to return to the age incidence of smallpox, as in the days before vaccination was introduced. Doubtless this will be more apparent in subsequent epidemics.

On this point he says:

The relaxation of the vaccination laws in 1907 has been largely taken advantage of in Scotland. Since that year the proportion of unvaccinated children has been gradually increasing, resulting in the exposure to infection of the more susceptible ages of the population. As might have been expected, and as the event showed, the present invasion of smallpox has tended to fall more heavily among the unvaccinated.

The following table shows the age incidence and mortality among children during the Glasgow outbreak. Striking differences between

the vaccinated and the unvaccinated are recorded. The very convincing contrasts should be carefully noted, affording as they do ample proof of the soundness of the case for vaccination:

Attacks among children, Glasgow, 1920-21.¹

Age group.	Vaccinated.	Died.	Mortality.	Unvaccinated.	Died.	Mortality.
			<i>Per cent.</i>			<i>Per cent.</i>
0-1.....	0	0	0	16	11	68.7
1-5.....	1	0	0	32	11	34.3
5-10.....	8	0	0	41	10	24.3
10-15.....	21	0	0	23	6	26.0
Total.....	30	0	0	112	38	33.9

¹ This table includes 5 cases of children attacked after the publication of Doctor Macgregor's report, of whom 4 were unvaccinated.

Among the living in Glasgow at the time of the epidemic, there would be only a relatively small number of persons over the age of 15 years who had not been vaccinated in infancy, as the statistics of primary vaccination of children show that about 84 per cent were at that time vaccinated; and 10 per cent died before vaccination. At ages above 10 years it is known that vaccination (primary infantile vaccination) can not be relied on to prevent or diminish the liability to attack by smallpox. After the period of highest potency to protect from attack has lapsed, the Glasgow epidemic shows again that among the vaccinated at the later age periods there remains the power to modify the character and severity of the disease. In regard to the value of infant vaccination against not only attack but also death, the above table is instructive. It will be seen that amongst those who were attacked at ages up to 15 years, there were 30 vaccinated—of these none died. But among those unvaccinated at the same ages, there were 112 cases, with no less than 38 deaths.

SMALLPOX MITIGATED, GLASGOW, 1920-21.

As showing the severity of the disease in relation to age and vaccination, Doctor Macgregor publishes the following table:

	Vaccinated.			Unvaccinated.		
	Number of cases.	Severe.	Percentage of severe.	Number of cases.	Severe.	Percentage of severe.
Under 15 years.....	29	1	3.4	107	45	42.0
Over 15 years.....	367	58	15.8	15	11	73.3
Total.....	396	59	14.9	122	56	46.0

(After the above tables were compiled, additional cases of smallpox were notified—36 cases; of these there were no deaths and only one case at ages from 10-15 years in the vaccinated group.)

DOUBTFUL CASES, GLASGOW, 1920-21.

Special mention is made of 21 "doubtful" cases. These had no vaccination cicatrix, nor any mark suggesting that they had been vaccinated before exposure to infection. Of these, 9 died. Only one of these cases was in the age group 10-15 years.

SUMMARY.

No vaccinated person in the Glasgow epidemic (1920-21) under 15 years died.

At the ages 15-20 there were 62 cases vaccinated and only 2 deaths.

The mortality among the vaccinated in infancy fell chiefly among those in the age groups from 35 years and over.

On the other hand, the unvaccinated cases present a remarkable contrasting picture. No less than 112 cases out of a total of 128 were at the ages in the group 0-1-15 years. Of these, 38 died.

An analysis of the 112 cases (unvaccinated) is useful. Under 1 year of age were included 16 cases. Of these the large proportion of 11 died.

At ages 1-5 years, there were 32 children attacked. Of these, 11 died.

In the same group (112 cases of unvaccinated children) were 64 cases at ages 5-15 years; and of these, 16 died.

As Doctor Chalmers points out, the tables are well worth close examination, and show the value of vaccination against both attack and death in the earlier periods of life.

DEATHS DURING WEEK ENDED AUGUST 19, 1922.

Summary of information received by telegraph from industrial insurance companies for week ended August 19, 1922, and corresponding week 1921. (From the Weekly Health Index, August 22, 1922, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Aug. 19, 1922.	Corresponding week 1921.
Policies in force.....	49, 817, 308	45, 662, 669
Number of death claims.....	7, 425	6, 991
Death claims per 1,000 policies in force, annual rate.....	7.8	8.0

Deaths from all causes in certain large cities of the United States during the week ended August 19, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, August 22, 1922, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1922.	Week ended Aug. 19, 1922.		Annual death rate per 1,000, corresponding week 1921.	Deaths under 1 year.		Infant mortality rate, week ended Aug. 19, 1922. ³
		Total deaths.	Death rate. ¹		Week ended Aug. 19, 1922.	Corresponding week 1921.	
Total.....	27,927,877	5,751	10.7	10.5	917	979	.....
Akron, Ohio.....	208,435	16	4.0	7.1	3	13	32
Albany, N. Y.....	116,223	28	12.6	13.6	1	6	22
Atlanta, Ga.....	220,047	87	20.6	11.6	3	6	.....
Baltimore, Md.....	762,222	179	12.2	13.7	33	35	93
Birmingham, Ala.....	191,017	38	10.4	11.8	7	10	.....
Boston, Mass.....	764,017	196	13.4	10.6	40	32	107
Bridgeport, Conn.....	143,555	28	10.2	5.6	1	5	12
Buffalo, N. Y.....	528,163	109	10.8	10.7	21	22	88
Cambridge, Mass.....	110,944	17	8.0	10.4	3	6	55
Camden, N. J.....	121,915	26	11.1	8.3	6	8	92
Chicago, Ill.....	2,833,288	512	9.4	8.9	103	102	.....
Cincinnati, Ohio.....	404,865	103	13.3	13.7	7	12	27
Cleveland, Ohio.....	854,003	138	8.4	10.8	24	26	62
Columbus, Ohio.....	253,455	63	13.0	11.1	7	7	74
Dallas, Tex.....	171,974	35	10.6	11.0	8	7	.....
Dayton, Ohio.....	161,824	27	8.7	9.9	5	8	85
Denver, Colo.....	267,591	68	13.3	12.7	9	8	.....
Detroit, Mich.....	993,678	188	9.9	9.6	40	52	77
Fall River, Mass.....	120,790	38	16.4	11.2	8	10	112
Fort Worth, Tex.....	114,717	19	8.6	.....	2	.....	.....
Grand Rapids, Mich.....	143,572	25	9.1	11.4	3	2	50
Houston, Tex.....	150,067	29	10.1	10.5	4	2	.....
Indianapolis, Ind.....	333,257	79	12.4	11.0	14	9	107
Jersey City, N. J.....	305,911	74	12.6	8.8	19	12	121
Kansas City, Mo.....	343,988	73	11.1	10.1	10	10	.....
Los Angeles, Calif.....	634,866	155	12.7	12.1	24	13	100
Louisville, Ky.....	236,877	54	11.9	14.4	1	5	11
Lowell, Mass.....	114,423	25	11.4	12.4	9	9	151
Memphis, Tenn.....	167,862	58	18.0	14.8	6	6	.....
Milwaukee, Wis.....	476,603	68	7.4	7.7	7	10	24
Minneapolis, Minn.....	400,970	96	11.2	7.4	8	7	44
Nashville, Tenn.....	122,832	34	14.4	14.5	6	4	.....
New Bedford, Mass.....	127,542	29	11.9	9.2	7	8	104
New Haven, Conn.....	169,967	51	15.6	12.2	9	4	110
New Orleans, La.....	399,616	133	17.4	17.2	10	19	.....
New York, N. Y.....	5,639,746	1,044	9.3	9.8	177	216	69
Newark, N. J.....	431,792	79	9.5	10.3	12	28	53
Norfolk, Va.....	124,915	30	12.5	12.5	3	5	53
Oakland, Calif.....	235,279	42	9.4	9.9	8	2	101
Omaha, Nebr.....	200,739	42	10.9	13.2	6	4	65
Paterson, N. J.....	135,521	27	10.2	12.5	4	1	62
Philadelphia, Pa.....	1,894,500	389	10.7	11.1	71	61	84
Pittsburgh, Pa.....	607,902	142	12.2	12.1	29	30	93
Portland, Oreg.....	269,240	49	9.5	8.5	3	2	30
Providence, R. I.....	241,011	48	10.4	12.6	8	14	63
Richmond, Va.....	178,365	37	10.8	13.1	8	12	97
Rochester, N. Y.....	311,548	60	10.0	10.4	14	10	108
St. Louis, Mo.....	795,008	163	10.7	9.6	9	15	.....
St. Paul, Minn.....	239,836	45	9.8	7.2	8	4	75
Salt Lake City, Utah.....	123,918	17	7.2	8.1	0	4	0
San Antonio, Tex.....	178,056	47	13.8	.....	8	.....	.....
San Francisco, Calif.....	529,792	138	13.6	12.5	9	6	52
Seattle, Wash.....	315,312	54	8.9	7.8	1	6	85
Spokane, Wash.....	104,445	18	9.0	11.0	4	2	85
Springfield, Mass.....	140,052	30	11.2	14.6	2	6	30
Syracuse, N. Y.....	181,012	36	10.4	12.1	8	7	96
Toledo, Ohio.....	260,717	70	14.0	10.7	7	6	68
Trenton, N. J.....	125,075	35	14.6	16.1	5	4	77
Washington, D. C.....	437,571	107	12.8	11.7	12	22	69
Wilmington, Del.....	115,568	32	14.4	10.1	9	6	175
Worcester, Mass.....	188,449	46	12.7	11.0	10	5	108
Yonkers, N. Y.....	105,422	23	11.4	6.6	6	2	125
Youngstown, Ohio.....	144,970	13	4.7	6.7	2	4	26

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1921. Cities left blank are not in the registration area for births.

³ Enumerated population Jan. 1, 1920.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended August 26, 1922.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

ALABAMA.		Cases.	CONNECTICUT.		Cases.
Dengue.....		1	Cerebrospinal meningitis.....		3
Diphtheria.....		54	Diphtheria.....		24
Hookworm disease.....		74	Dysentery (bacillary).....		1
Influenza.....		3	German measles.....		2
Malaria.....		55	Lethargic encephalitis.....		4
Pneumonia.....		1	Measles.....		19
Scarlet fever.....		12	Mumps.....		5
Tuberculosis.....		10	Paratyphoid fever.....		1
Typhoid fever.....		40	Pneumonia (lobar).....		10
ARKANSAS.			Poliomyelitis.....		3
Chicken pox.....		4	Scarlet fever.....		14
Diphtheria.....		10	Tetanus.....		1
Influenza.....		3	Tuberculosis (all forms).....		39
Malaria.....		199	Typhoid fever.....		11
Pellagra.....		9	Whooping cough.....		26
Poliomyelitis.....		1	DELAWARE.		
Scarlet fever.....		10	Diphtheria.....		3
Smallpox.....		1	Malaria.....		1
Trachoma.....		1	Scarlet fever.....		2
Tuberculosis.....		19	Tuberculosis.....		8
Typhoid fever.....		17	Typhoid fever.....		6
Whooping cough.....		13	FLORIDA.		
CALIFORNIA.			Cerebrospinal meningitis.....		1
Cerebrospinal meningitis—Los Angeles.....		1	Diphtheria.....		19
Diphtheria.....		80	Dengue.....		294
Influenza.....		4	Influenza.....		81
Lethargic encephalitis—Los Angeles.....		1	Malaria.....		56
Measles.....		6	Pneumonia.....		24
Scarlet fever.....		16	Smallpox.....		1
Smallpox.....		20	Typhoid fever.....		11
Typhoid fever.....		18	GEORGIA.		
COLORADO			Chicken pox.....		2
(Exclusive of Denver).			Conjunctivitis (acute infectious).....		12
Cerebrospinal meningitis.....		2	Dengue.....		118
Chicken pox.....		2	Diphtheria.....		40
Diphtheria.....		5	Dysentery (bacillary).....		3
Dysentery.....		1	Hookworm disease.....		12
Scarlet fever.....		2	Influenza.....		18
Tuberculosis.....		40	Malaria.....		142
Typhoid fever.....		17	Measles.....		1
Whooping cough.....		4	Paratyphoid fever.....		3

GEORGIA—continued.

	Cases.
Pellagra.....	1
Pneumonia.....	4
Scarlet fever.....	14
Septic sore throat.....	2
Smallpox.....	5
Tuberculosis (pulmonary).....	7
Typhoid fever.....	66
Whooping cough.....	2

ILLINOIS.

Cerebrospinal meningitis:	
Boone County.....	1
Cook County.....	1
St. Clair County.....	1
Diphtheria:	
Chicago.....	61
Scattering.....	71
Influenza.....	83
Pneumonia.....	247
Scarlet fever:	
Chicago.....	14
Scattering.....	35
Smallpox.....	2
Typhoid fever.....	59
Whooping cough.....	175

INDIANA.

Diphtheria.....	23
Polioomyelitis:	
Porter County.....	1
Ripley County.....	1
Scarlet fever.....	21
Smallpox.....	1
Typhoid fever.....	24

IOWA.

Diphtheria.....	14
Scarlet fever.....	9
Smallpox.....	2
Typhoid fever.....	10

KANSAS.

Cerebrospinal meningitis.....	2
Chicken pox.....	4
Diphtheria.....	38
Dysentery (bacillary).....	1
Malaria.....	3
Measles.....	5
Mumps.....	1
Pneumonia.....	5
Scarlet fever.....	39
Smallpox.....	1
Tetanus.....	1
Trachoma.....	2
Tuberculosis.....	20
Typhoid fever.....	37
Whooping cough.....	30

LOUISIANA.

Diphtheria.....	19
Malaria.....	71
Polioomyelitis.....	1
Scarlet fever.....	13
Typhoid fever.....	32

MARYLAND.¹

	Cases.
Cerebrospinal meningitis.....	4
Chicken pox.....	3
Diarrhea.....	9
Diphtheria.....	29
Dysentery.....	8
Influenza.....	7
Malaria.....	21
Measles.....	15
Mumps.....	7
Ophthalmia neonatorum.....	1
Paratyphoid fever.....	2
Pneumonia (all forms).....	16
Scarlet fever.....	16
Septic sore throat.....	1
Smallpox.....	4
Tuberculosis.....	90
Typhoid fever.....	57
Whooping cough.....	28

MASSACHUSETTS.

Cerebrospinal meningitis.....	2
Chicken pox.....	12
Conjunctivitis (suppurative).....	7
Diphtheria.....	138
Dysentery.....	1
German measles.....	3
Influenza.....	3
Measles.....	65
Mumps.....	15
Ophthalmia neonatorum.....	12
Pneumonia (lobar).....	21
Polioomyelitis.....	16
Scarlet fever.....	33
Septic sore throat.....	1
Tetanus.....	1
Trachoma.....	3
Tuberculosis (all forms).....	126
Typhoid fever.....	28
Whooping cough.....	104

MINNESOTA.

Cerebrospinal meningitis.....	1
Chicken pox.....	4
Diphtheria.....	62
Measles.....	1
Pneumonia.....	1
Polioomyelitis.....	3
Scarlet fever.....	58
Smallpox.....	9
Tuberculosis.....	55
Typhoid fever.....	29
Whooping cough.....	6

MISSISSIPPI.

Diphtheria.....	54
Polioomyelitis.....	1
Scarlet fever.....	6
Smallpox.....	4
Typhoid fever.....	34

MISSOURI.

Chicken pox.....	7
Diphtheria.....	47
Influenza.....	2

¹ Week ended Friday.

MISSOURI—continued.

	Cases.
Measles.....	5
Ophthalmia neonatorum.....	3
Pneumonia.....	3
Scarlet fever.....	22
Smallpox.....	8
Tetanus.....	2
Trachoma.....	3
Tuberculosis.....	73
Typhoid fever.....	36
Whooping cough.....	8

MONTANA.

Cerebrospinal meningitis.....	1
Diphtheria.....	5
Poliomyelitis.....	16
Scarlet fever.....	5
Smallpox.....	3
Typhoid fever.....	4

NEBRASKA.

Chicken pox.....	1
Diphtheria.....	6
Influenza.....	2
Mumps.....	4
Scarlet fever.....	12
Smallpox.....	2
Tuberculosis.....	4
Typhoid fever.....	4
Whooping cough.....	10

NEW JERSEY.

Cerebrospinal meningitis.....	1
Chicken pox.....	8
Diphtheria.....	77
Dysentery.....	1
Influenza.....	4
Malaria.....	6
Measles.....	37
Pneumonia.....	27
Poliomyelitis.....	11
Scarlet fever.....	28
Trachoma.....	1
Typhoid fever.....	31
Whooping cough.....	121

NEW MEXICO.

Diphtheria.....	27
Pneumonia.....	2
Poliomyelitis.....	1
Scarlet fever.....	4
Smallpox.....	1
Trachoma.....	1
Tuberculosis.....	27
Typhoid fever.....	5

NEW YORK.

(Exclusive of New York City).

Diphtheria.....	125
Influenza.....	1
Lethargic encephalitis.....	5
Measles.....	71
Paratyphoid fever.....	1
Pneumonia.....	49
Poliomyelitis.....	7
Scarlet fever.....	75

Deaths.

NEW YORK—continued.

	Cases.
Tetanus.....	4
Typhoid fever.....	55
Whooping cough.....	147

NORTH CAROLINA.

Chicken pox.....	8
Diphtheria.....	312
German measles.....	1
Measles.....	10
Ophthalmia neonatorum.....	2
Scarlet fever.....	62
Smallpox.....	7
Typhoid fever.....	94
Whooping cough.....	63

OREGON.

Chicken pox.....	4
Diphtheria.....	8
Measles.....	1
Mumps.....	1
Pneumonia.....	15
Scarlet fever.....	3
Smallpox.....	7
Tuberculosis.....	9
Typhoid fever.....	2
Whooping cough.....	6

SOUTH DAKOTA.

Anthrax.....	1
Chicken pox.....	2
Diphtheria.....	1
Measles.....	1
Scarlet fever.....	3
Tuberculosis.....	8
Typhoid fever.....	1
Whooping cough.....	1

TEXAS.

Dengue.....	96
Diphtheria.....	29
Measles.....	18
Pneumonia.....	2
Scarlet fever.....	3
Smallpox.....	3
Typhoid fever.....	11

VERMONT.

Cerebrospinal meningitis.....	1
Chicken pox.....	2
Diphtheria.....	1
Mumps.....	2
Scarlet fever.....	1
Typhoid fever.....	3
Whooping cough.....	34

WASHINGTON.

Chicken pox.....	9
Diphtheria.....	12
Measles.....	1
Mumps.....	1
Poliomyelitis—Chehalis.....	1
Rocky Mountain spotted or tick fever—Lamona.....	1
Scarlet fever.....	8
Smallpox.....	7
Tuberculosis.....	58
Typhoid fever.....	17
Whooping cough.....	32

WEST VIRGINIA.		Cases.	WISCONSIN—continued.		Cases.
Diphtheria.....		8	Scattering—Continued.		
Scarlet fever.....		7	Influenza.....		3
Typhoid fever.....		12	Measles.....		34
WISCONSIN.			Pneumonia.....		1
Milwaukee:			Polio-myelitis.....		4
Cerebrospinal meningitis.....		1	Scarlet fever.....		49
Chicken pox.....		2	Smallpox.....		3
Diphtheria.....		7	Tuberculosis.....		23
Measles.....		12	Typhoid fever.....		4
Mumps.....		2	Whooping cough.....		95
Pneumonia.....		2			
Polio-myelitis.....		1	WYOMING.		
Scarlet fever.....		3	Malaria.....		1
Smallpox.....		2	Pneumonia.....		2
Tuberculosis.....		4	Polio-myelitis—Goshen County.....		4
Whooping cough.....		124	Rocky Mountain spotted or tick fever—Sheri-		
Scattering:			dan County.....		1
Chicken pox.....		10	Scarlet fever.....		5
Diphtheria.....		51	Tuberculosis.....		5
Encephalitis.....		1	Typhoid fever.....		4
German measles.....		1			

Delayed Reports for Week Ended August 19, 1922.

DISTRICT OF COLUMBIA.		Cases.	KENTUCKY—continued.		Cases.
Chicken pox.....		3	Trachoma.....		2
Diphtheria.....		6	Typhoid fever:		
Lethargic encephalitis.....		1	Hopkins County.....		14
Scarlet fever.....		3	Jefferson County.....		14
Tuberculosis.....		23	Mercer County.....		8
Typhoid fever.....		6	Scattering.....		47
Whooping cough.....		3	Whooping cough.....		4
KENTUCKY. ¹			MAINE.		
Cerebrospinal meningitis:			Chicken pox.....		2
Boyd County.....		1	Diphtheria.....		12
Harlan County.....		1	Measles.....		4
Chicken pox.....		2	Mumps.....		5
Diphtheria:			Scarlet fever.....		15
McCracken County.....		8	Tuberculosis.....		15
Scattering.....		25	Typhoid fever.....		11
Dysentery.....		4	Whooping cough.....		43
Malaria.....		8	MISSOURI.		
Measles:			Chicken pox.....		5
Adair County.....		10	Diphtheria.....		26
Henderson County.....		13	Influenza.....		1
Scattering.....		6	Measles.....		4
Ophthalmia neonatorum.....		1	Ophthalmia neonatorum.....		1
Pellagra.....		3	Pneumonia.....		3
Pneumonia.....		4	Scarlet fever.....		15
Scarlet fever.....		13	Smallpox.....		8
Septic sore throat.....		2	Tetanus.....		1
Smallpox.....		4	Trachoma.....		2
Tonsillitis (follicular).....		1	Tuberculosis.....		42
Tuberculosis:			Typhoid fever.....		28
Jefferson County.....		21	Whooping cough.....		6
Scattering.....		9			

¹ For week ended August 12, 1922.

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week.

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>March, 1922.</i>										
Arizona.....		6	14		1			11	22	2
<i>July, 1922.</i>										
Hawaii.....	1	15	9		121			4		14
Idaho.....	6	17						16	6	13
Illinois.....	2	576	45	43	1,182	1	6	240	175	182
Indiana.....	2	117			190			74	68	61
Iowa.....	1	51			4		2	70	12	1
Kansas.....	3	93	2	6	29	2	1	140	29	108
Maine.....		39	4		54		4	70	9	60
Maryland.....	4	92	6	56	396		5	50		124
Minnesota.....	1	171	1		143		6	247	102	44
New Jersey.....	8	343	21	14	898		22	206	1	84
New Mexico.....	1	83	1			3	1	6	1	25
North Carolina.....	7	357			107		4	123	47	560
North Dakota.....		27					2	18	18	2
Oregon.....		52			9			10	40	15
Virginia.....	5	220	282	484	358	26	18	83	7	400
Washington.....	2	53			28			41	46	49
Wisconsin.....	4	154	17		446		5	186	117	29

¹ Nine deaths.

RECIPROCAL NOTIFICATION.

Minnesota—July, 1922.

Cases of communicable diseases referred during July, 1922, to other State health departments by the department of health of the State of Minnesota.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Diphtheria: Columbia Heights, Anoka County.	Hull, Wright County, Quebec, Canada.	A carrier who left for Quebec. Cultures positive.
Scarlet Fever: Rochester, Olmsted County.....	Madison, R. F. D. No. 3, Lake County, S. Dak.	Case originated in South Dakota; not diagnosed until arrival.
Typhoid Fever: Bear Park township, Norman County. St. Louis County, near Duluth. Rochester, Olmsted County. Do.....	Garwin, Tama County, Iowa. Winner, Tripp County, S. Dak. Ponca City, Kay County, Okla. Beloit, Mitchell County, Kans.	Exposed to typhoid fever in Iowa. A laborer working with a road crew. Widal positive. Widal in laboratory; positive. Do.
Tuberculosis: Minneapolis, Hennepin County. St. Paul, Ramsey County. Duluth, St. Louis County.	Millford, Dickinson County, Iowa. Kenmare, Ward County, N. Dak. Superior, Douglas County, Wis.	Guinea pig inoculation positive. An open case; left St. Paul for her home. Specimen examined at Duluth laboratory; positive.

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922.

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Aug. 12, 1922.		City.	Median for previous years.	Week ended Aug. 12, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Connecticut:				Michigan:			
Derby.....		1	1	Kalamazoo.....	0		1
New Haven.....	0	1		New York:			
Waterbury.....	0	1		Buffalo.....	0	2	2
Illinois:				Newburgh.....	0		1
Chicago.....	2	1		New York.....	4	2	1
Rockford.....		1		Ohio:			
Indiana:				Cincinnati.....	0	1	1
Muncie.....	0	1		Cleveland.....	0	1	1
Louisiana:				Pennsylvania:			
New Orleans.....	0	1	1	Easton.....	0	1	
Maine:				Wilkes-Barre.....	0	1	
Auburn.....	0	1		Texas:			
Maryland:				Abilene.....	0	1	1
Baltimore.....	0	2	1	Beaumont.....	0	1	
Massachusetts:				Virginia:			
Fall River.....	0	1		Norfolk.....	0		1
Southbridge.....	0	1					

DIPHTHERIA.

See p. 2124; also Telegraphic weekly reports from States, p. 2114, and Monthly summaries by States, p. 2118.

INFLUENZA.

City.	Cases.		Deaths, week ended Aug. 12, 1922.	City.	Cases.		Deaths, week ended Aug. 12, 1922.
	Week ended Aug. 13, 1921.	Week ended Aug. 12, 1922.			Week ended Aug. 13, 1921.	Week ended Aug. 12, 1922.	
California:				Missouri:			
Los Angeles.....		3	1	Cape Girardeau.....	1		
San Diego.....		1	1	New Jersey:			
San Francisco.....		2	1	Newark.....		1	
Illinois:				New York:			
Chicago.....	2	4	1	Hudson.....	1		1
Maryland:				New York.....	17	5	1
Baltimore.....	1			Schenectady.....			1
Massachusetts:							
Boston.....	1						
Chelsea.....		1					

LEPROSY.

City.	Cases.	Deaths.
California:		
Oakland.....	1	

LETHARGIC ENCEPHALITIS.

California:		
San Francisco.....	1	
Massachusetts:		
Webster.....	1	

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922--Continued.

MALARIA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Arkansas:			Missouri:		
Little Rock.....	8		Cape Girardeau.....	6	
California:			New York:		
San Francisco.....	1	1	New York.....	6	
Georgia:			North Carolina:		
Albany.....	8		Wilmington.....	2	
Atlanta.....	1		Ohio:		
Macon.....	6		Cleveland.....	1	
Savannah.....	2	2	Tennessee:		
Valdosta.....	1	1	Memphis.....	18	
Louisiana:			Texas:		
New Orleans.....	3		Dallas.....	4	1
Maryland:			Houston.....		1
Baltimore.....	1				

MEASLES.

See p. 2124; also Telegraphic weekly reports from States, p. 2114, and Monthly summaries by States, p. 2118.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Arkansas:			Tennessee:		
Fort Smith.....	1		Knoxville.....		1
Georgia:			Nashville.....		1
Atlanta.....		2	Texas:		
Augusta.....	1		Abilene.....	3	
Savannah.....		1	Dallas.....		1
Louisiana:			Waco.....		1
New Orleans.....	3	2	Virginia:		
South Carolina:			Norfolk.....		1
Charleston.....		1			
Greenville.....		1			

PNEUMONIA (ALL FORMS).

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Indiana:		
Birmingham.....		5	Fort Wayne.....		1
California:			Hammond.....		1
Alameda.....		1	Indianapolis.....		2
Berkeley.....	1	3	Muncie.....		1
Los Angeles.....	20	12	Kansas:		
Oakland.....	1	1	Kansas City.....	3	
Pasadena.....	1		Topeka.....	1	
Riverside.....		1	Kentucky:		
Sacramento.....	3	4	Lexington.....		1
San Diego.....	1	1	Louisville.....	1	2
San Francisco.....	5	6	Owensboro.....	1	
Santa Barbara.....	1		Louisiana:		
Colorado:			New Orleans.....	1	1
Denver.....		3	Maine:		
Connecticut:			Biddeford.....		1
Bridgeport.....	1	1	Lewiston.....		1
Hartford.....	1		Portland.....		1
Milford.....	1	1	Maryland:		
New Haven.....		2	Baltimore.....	10	7
Waterbury.....		1	Cumberland.....	1	1
Delaware:			Massachusetts:		
Wilmington.....		4	Boston.....	5	10
District of Columbia:			Chicopee.....		1
Washington.....		5	Fall River.....	1	4
Georgia:			Lynn.....	2	1
Atlanta.....	2	2	Taunton.....		1
Augusta.....	1		West Springfield.....		2
Savannah.....		2	Michigan:		
Illinois:			Detroit.....	17	11
Aurora.....	2	1	Hamtramck.....	2	1
Chicago.....	89	18	Muskegon.....	2	1
Cicero.....		1	Pontiac.....	1	
Peoria.....		1	Sault Ste. Marie.....	1	

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued:

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Minnesota:			Ohio:		
Duluth.....	2	1	Akron.....	1	.....
Minneapolis.....	.....	3	Cincinnati.....	.....	5
St. Paul.....	.....	4	Cleveland.....	4	6
Missouri:			Columbus.....	.....	1
Kansas City.....	4	1	Norwood.....	1	1
St. Joseph.....	1	1	Toledo.....	.....	1
Nebraska:			Oklahoma:		
Omaha.....	.....	3	Oklahoma.....	.....	2
Nevada:			Pennsylvania:		
Reno.....	.....	1	Philadelphia.....	42	27
New Hampshire:			Rhode Island:		
Nashua.....	.....	1	Providence.....	.....	3
New Jersey:			South Carolina:		
Atlantic City.....	2	.....	Charleston.....	.....	2
Jersey City.....	2	.....	Tennessee:		
Newark.....	14	5	Memphis.....	.....	2
Orange.....	2	.....	Nashville.....	.....	1
Passaic.....	1	.....	Texas:		
Perth Amboy.....	.....	1	Dallas.....	.....	3
Phillipsburg.....	1	1	El Paso.....	.....	2
Rahway.....	.....	1	Waco.....	.....	1
Trenton.....	2	1	Virginia:		
West New York.....	.....	1	Norfolk.....	.....	1
New York:			Richmond.....	.....	1
Albany.....	4	.....	West Virginia:		
Auburn.....	1	.....	Huntington.....	.....	1
Buffalo.....	3	2	Wheeling.....	.....	2
Jamestown.....	1	.....	Wisconsin:		
Lackawanna.....	1	.....	Kenosha.....	.....	1
New York.....	96	53	Milwaukee.....	1	.....
Niagara Falls.....	.....	4	Wyoming:		
Rochester.....	3	1	Cheyenne.....	1	1
Saratoga Springs.....	1	.....		
Syracuse.....	.....	2			
Troy.....	.....	1			
Watertown.....	.....	1			

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Aug. 12, 1922.		City.	Median for previous years.	Week ended Aug. 12, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
California:				New Jersey:			
Los Angeles.....	0	4	.....	Elizabeth.....	0	1	.....
San Bernardino.....	0	1	1	Newark.....	0	1	.....
Connecticut:				Paterson.....	0	2	.....
New London.....	0	1	.....	New York:			
Norwich.....	.....	1	.....	Auburn.....	0	1	.....
Illinois:				Ithaca.....	0	1	.....
Chicago.....	6	1	.....	New York.....	4	8	.....
Rockford.....	0	1	.....	Olean.....	0	1	.....
Maryland:				Syracuse.....	0	2	.....
Baltimore.....	2	2	.....	Yonkers.....	0	1	.....
Massachusetts:				Pennsylvania:			
Boston.....	1	4	2	Johnstown.....	0	1	.....
Everett.....	0	1	.....	Pottsville.....	.....	1	.....
Fall River.....	0	1	1	Rhode Island:			
Lynn.....	0	2	.....	Providence.....	0	4	1
Taunton.....	0	1	.....	Tennessee:			
Webster.....	.....	2	.....	Memphis.....	0	2	.....
Montana:				Texas:			
Billings.....	0	2	2	El Paso.....	0	1	.....
New Hampshire:				Wisconsin:			
Concord.....	0	1	1	Madison.....	0	1	.....

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
California:		Massachusetts:	
Los Angeles.....	6	Arlington.....	1
Pasadena.....	2	Cambridge.....	1
Kentucky:		New Jersey:	
Louisville.....	1	Passaic.....	1

SCARLET FEVER.

See p. 2124; also Telegraphic weekly reports from States, p. 2114, and Monthly summaries by States, p. 2118.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre- vious years.	Week ended Aug. 12, 1922.		City.	Median for pre- vious years.	Week ended Aug. 12, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Montana:			
Mobile.....	0	1		Billings.....	0	1	
California:				New York:			
Bakersfield.....	0	1		Anburn.....	0	1	
Los Angeles.....	0	1		Niagara Falls.....	0	1	
Oakland.....	0	1		North Carolina:			
Colorado:				Charlotte.....	0	1	
Denver.....	3	2	1	Oklahoma:			
Connecticut:				Oklahoma.....	1	1	
Bridgeport.....	0	1		Washington:			
Georgia:				Bellingham.....	0	3	
Macon.....	0	1		Everett.....	0	3	
Iowa:				Tacoma.....	0	1	
Mason City.....	0	1		Vancouver.....	0	3	
Kansas:				West Virginia:			
Kansas City.....	0	1		Fairmont.....	0	1	
Michigan:				Wisconsin:			
Detroit.....	4	1		Ashland.....	0	1	
Minnesota:				Milwaukee.....	0	2	
Duluth.....	0	3		Oshkosh.....	0	1	
St. Paul.....	2	1		Superior.....	0	7	

TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			New York:		
Birmingham.....	2		Albany.....	1	
California:			New York.....	1	
Los Angeles.....	3		Ohio:		
San Bernardino.....		1	Cleveland.....		1
Illinois:			Pennsylvania:		
Chicago.....	3	1	Philadelphia.....		1
Maine:			Texas:		
Portland.....	1		Ablene.....	1	
Massachusetts:			Beaumont.....		1
Beverly.....	1		Waco.....		1
Missouri:			West Virginia:		
St. Louis.....	1		Charleston.....		1
			Huntington.....		1

TUBERCULOSIS.

See p. 2124; also Telegraphic weekly reports from States, p. 2114.

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre- vious years.	Week ended Aug. 12, 1922.		City.	Median for pre- vious years.	Week ended Aug. 12, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Missouri:			
Birmingham.....	7	23	3	Kansas City.....	2	8	1
Mobile.....	1	1	1	St. Joseph.....	1	1	1
Arkansas:				St. Louis.....	10	9	1
Fort Smith.....	1	1	.....	Nebraska:			
North Little Rock.....	1	1	.....	Omaha.....	0	.....	1
California:				New Hampshire:			
Los Angeles.....	5	5	.....	Concord.....	0	5	.....
Pasadena.....	0	2	.....	Dover.....	0	1	.....
Sacramento.....	1	3	.....	New Jersey:			
San Francisco.....	3	4	.....	East Orange.....	0	1	.....
Santa Barbara.....	0	1	.....	Jersey City.....	1	1	.....
Stockton.....	1	.....	1	Newark.....	1	1	.....
Colorado:				Plainfield.....	0	1	.....
Denver.....	3	4	.....	Summit.....	0	1	.....
Connecticut:				New Mexico:			
Bridgeport.....	0	1	.....	Albuquerque.....	0	.....	1
Hartford.....	1	1	.....	New York:			
New Haven.....	1	3	.....	Buffalo.....	4	4	.....
Delaware:				Elmira.....	0	4	.....
Wilmington.....	2	.....	1	Ithaca.....	0	1	.....
District of Columbia:				Lackawanna.....	0	1	.....
Washington.....	8	6	1	Lockport.....	0	1	.....
Georgia:				Mount Vernon.....	0	.....	1
Albany.....	.....	2	.....	New York.....	39	33	1
Atlanta.....	3	1	4	Rochester.....	0	2	.....
Augusta.....	2	1	.....	Saratoga Springs.....	0	2	.....
Macon.....	2	4	.....	Schenectady.....	0	1	.....
Savannah.....	2	1	.....	Syracuse.....	1	1	.....
Valdosta.....	1	1	.....	Watertown.....	1	5	.....
Illinois:				Yonkers.....	0	1	.....
Aurora.....	0	2	.....	North Carolina:			
Chicago.....	11	4	1	Durham.....	7	1	.....
Galesburg.....	0	2	.....	Raleigh.....	0	2	2
Indiana:				Winston-Salem.....	2	3	1
Gary.....	0	2	.....	Ohio:			
Hammond.....	0	2	.....	Bucyrus.....	6	4	1
Indianapolis.....	7	2	1	Canton.....	1	2	1
La Fayette.....	0	1	.....	Cincinnati.....	2	.....	1
Iowa:				Cleveland.....	8	5	.....
Muscatine.....	0	1	.....	Lima.....	0	2	.....
Kansas:				Mansfield.....	0	2	.....
Coffeyville.....	1	1	.....	Newark.....	1	1	.....
Kansas City.....	2	7	.....	Piqua.....	0	1	.....
Lawrence.....	0	2	.....	Springfield.....	0	2	1
Kentucky:				Toledo.....	4	2	.....
Louisville.....	5	7	1	Youngstown.....	0	4	.....
Owensboro.....	.....	2	.....	Oklahoma:			
Louisiana:				Oklahoma.....	4	2	2
New Orleans.....	5	5	4	Tulsa.....	5	2	.....
Maine:				Pennsylvania:			
Portland.....	1	1	.....	Allentown.....	2	1	.....
Waterville.....	1	1	.....	Altoona.....	0	1	.....
Maryland:				Braddock.....	0	1	.....
Baltimore.....	15	10	1	Bristol.....	0	1	.....
Cumberland.....	1	1	.....	Coatesville.....	0	2	.....
Massachusetts:				Erie.....	0	1	.....
Boston.....	3	5	.....	Groesburg.....	0	2	.....
Cambridge.....	1	1	.....	Harrisburg.....	0	1	.....
Fall River.....	4	2	.....	Meadville.....	0	1	.....
Lawrence.....	0	1	.....	North Braddock.....	0	1	.....
Lynn.....	1	1	.....	Philadelphia.....	18	13	.....
Newburyport.....	0	2	1	Pittsburgh.....	6	5	.....
Southbridge.....	0	1	.....	Pottstown.....	0	4	.....
Springfield.....	2	2	.....	Reading.....	1	1	.....
West Springfield.....	0	.....	1	Sharon.....	0	1	.....
Michigan:				Steelton.....	0	1	.....
Detroit.....	5	2	4	Rhode Island:			
Sault Ste. Marie.....	0	1	.....	Pawtucket.....	0	1	.....
Minnesota:				Providence.....	1	1	.....
Duluth.....	0	3	.....			
Minneapolis.....	2	4	.....			

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

TYPHOID FEVER—Continued.

City.	Median for previous years.	Week ended Aug. 12, 1922.		City.	Median for previous years.	Week ended Aug. 12, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
South Carolina:				Virginia—Continued.			
Charleston.....	3	4	.....	Danville.....	0	3	1
Columbia.....	2	1	.....	Norfolk.....	6	1	1
Greenville.....		2	.....	Petersburg.....	2	1	.....
Tennessee:				Richmond.....	5	7	.....
Knoxville.....	1	4	.....	Roanoke.....	4	1	.....
Memphis.....	6	7	.....	Washington:			
Nashville.....	14	9	.....	Bellingham.....	0	2	.....
Texas:				West Virginia:			
Abilene.....	2	6	.....	Huntington.....	1	1	.....
Dallas.....	3	5	.....	Martinsburg.....	2	1	.....
El Paso.....	0	1	.....	Parkersburg.....	0	2	.....
Fort Worth.....	2	1	.....	Wheeling.....	1	2	.....
Houston.....	1		2	Wisconsin:			
Utah:				Janesville.....	0	1	.....
Salt Lake City.....	2	1	.....	Milwaukee.....	1	1	.....
Virginia:				Wausau.....	0	1	.....
Alexandria.....	2	1	.....			
Charlottesville.....		1	.....			

TYPHUS FEVER.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Georgia:			New Hampshire:		
Savannah.....		1	Keene.....	1	.....
Missouri:					
St. Joseph.....		1			

¹ Case reported Aug. 5, 1922.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham.....	178,806	41	2	.....			2	1	4	3
Mobile.....	60,777	18	1	.....						1
Tuscaloosa.....	11,996		1	.....			1	.....		.....
Arkansas:										
Fort Smith.....	28,870	7		.....						1
Little Rock.....	65,142		2	.....			1	.....	2	.....
North Little Rock.....	14,048	2	1	.....					1	2
California:										
Alameda.....	28,806	3		.....						.....
Bakersfield.....	18,638	4		.....						.....
Berkeley.....	56,036	11	1	1					2	.....
Long Beach.....	55,593	10	1	.....			2	.....	1	1
Los Angeles.....	576,673	160	32	1			5	.....	68	23
Oakland.....	216,261	49	2	.....	1		4	.....	5	.....
Pasadena.....	45,354	9	1	.....			2	.....	1	1
Richmond.....	16,843	1		.....					1	.....
Riverside.....	19,341	6		.....					1	.....
Sacramento.....	65,908	21	2	.....					1	3
San Bernardino.....	18,721	13	1	.....						.....
San Diego.....	74,683	17	2	.....			3	.....	1	1
San Francisco.....	506,676	105	18	3	1		3	.....	35	8
Santa Ana.....	15,485	5		.....						1
Santa Barbara.....	19,441	4	1	.....					2	.....
Santa Cruz.....	10,917	6		.....						.....
Stockton.....	40,296	10	1	.....						1
Colorado:										
Denver.....	256,491	60	25	2			3	.....		5
Pueblo.....	43,050	6	2	.....						1

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.,	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Connecticut:										
Bridgeport.....	143,555	26	6	—	2	—	3	—	7	2
Bristol.....	20,620	4	—	—	3	—	—	—	1	—
Berby.....	11,233	4	—	—	—	—	2	—	—	—
Fairfield (town).....	11,475	3	1	—	—	—	—	—	1	—
Hartford.....	138,036	26	4	—	—	—	4	—	1	2
Manchester (town).....	18,370	1	—	—	—	—	—	—	—	—
Meriden (city).....	29,867	—	—	—	—	—	2	—	—	—
Milford (town).....	10,193	5	1	—	—	—	—	—	—	—
New Haven.....	162,537	43	1	1	5	1	1	—	10	1
New London.....	25,688	3	—	—	—	—	—	—	2	—
Norwich (city).....	22,304	5	—	—	—	—	—	—	2	—
Stamford (city).....	35,096	—	—	—	2	—	6	—	—	—
Stonington (town).....	10,235	0	—	—	—	—	—	—	—	—
Waterbury.....	91,715	15	—	—	—	—	—	—	4	—
Delaware:										
Wilmington.....	110,168	28	—	1	—	—	—	—	—	—
District of Columbia:										
Washington.....	437,571	97	1	—	3	—	—	—	20	5
Georgia:										
Albany.....	11,555	—	1	—	—	—	2	—	—	—
Atlanta.....	200,616	66	15	2	—	—	9	—	3	5
Augusta.....	52,548	16	—	—	—	—	—	—	2	—
Macon.....	52,995	—	2	—	—	—	—	—	—	—
Rome.....	13,252	28	2	—	—	—	2	—	—	—
Savannah.....	83,252	28	1	—	—	—	—	—	—	2
Valdosta.....	10,783	3	1	—	—	—	—	—	—	—
Illinois:										
Alton.....	24,682	5	1	—	—	—	—	—	—	—
Aurora.....	36,397	9	—	—	—	—	—	—	1	1
Centralia.....	12,491	2	—	—	—	—	—	—	—	—
Chicago.....	2,701,705	533	69	5	42	2	15	1	124	46
Cicero.....	44,985	7	—	—	—	—	—	—	3	1
Danville.....	33,776	7	1	—	2	—	1	—	—	—
Evanston.....	37,224	7	1	—	—	—	—	—	—	—
Freeport.....	19,669	4	1	—	—	—	—	—	1	—
Galesburg.....	23,834	6	4	1	—	—	—	—	—	—
Kewanee.....	16,026	5	—	—	—	—	1	—	—	—
La Salle.....	13,050	1	—	—	1	—	—	—	2	—
Mattoon.....	13,552	3	—	—	—	—	—	—	—	—
Peoria.....	76,121	20	—	—	—	—	1	—	—	—
Quincy.....	35,978	6	—	—	—	—	—	—	—	—
Rock Island.....	35,177	7	1	—	—	—	—	—	—	—
Rockford.....	65,651	7	3	—	5	—	—	—	—	1
Indiana:										
Anderson.....	29,767	4	2	—	—	—	—	—	—	—
Clinton.....	10,962	3	—	—	—	—	—	—	—	—
Crawfordsville.....	10,139	1	1	—	—	—	1	—	—	—
East Chicago.....	35,967	6	—	—	—	—	—	—	—	1
Fort Wayne.....	86,549	16	—	—	—	—	—	—	—	—
Frankfort.....	11,585	1	—	—	—	—	—	—	1	—
Gary.....	55,378	12	—	—	—	—	—	—	—	—
Hammond.....	36,004	14	1	—	1	—	—	—	—	—
Huntington.....	14,000	3	—	—	—	—	2	—	—	—
Indianapolis.....	314,194	78	6	1	3	—	4	1	4	4
Kokomo.....	30,067	9	—	—	—	—	—	—	1	1
La Fayette.....	22,486	2	1	—	—	—	—	—	1	—
Logansport.....	21,626	5	—	—	—	—	—	—	—	1
Mishawaka.....	15,185	2	—	—	—	—	—	—	—	—
Muncie.....	36,524	8	—	—	—	—	—	—	—	2
Newcastle.....	14,458	5	—	—	—	—	—	—	—	—
South Bend.....	70,983	8	1	—	2	—	2	—	4	—
Terre Haute.....	66,083	10	—	—	—	—	1	—	—	—
Iowa:										
Burlington.....	24,057	12	1	—	—	—	—	—	—	—
Council Bluffs.....	26,162	3	—	—	—	—	1	—	—	—
Davenport.....	56,727	—	—	—	—	—	1	—	—	—
Dubuque.....	39,141	—	1	—	—	—	2	—	—	—
Mason City.....	20,065	2	1	—	—	—	—	—	—	—
Muscatine.....	16,068	3	1	—	—	—	—	—	—	—
Sioux City.....	71,227	—	1	—	—	—	—	—	—	—
Kansas:										
Coffeyville.....	13,452	1	—	—	—	—	—	—	—	—
Hutchinson.....	23,298	—	1	—	—	—	1	—	3	—

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kansas—Continued.										
Kansas City	101,177		1				3		14	
Lawrence	12,456	3								
Salina	15,085	12								
Topeka	60,022	1	4						2	3
Wichita	72,217	12	1				2		1	
Kentucky:										
Lexington	41,534	16								2
Louisville	234,891	55	5				2		16	5
Paducah	24,735		8							
Louisiana:										
New Orleans	387,219	99	5				1		15	7
Maine:										
Auburn	16,985	1								
Bangor	25,978						1		1	
Bath	14,731	2							1	
Biddeford	18,008	1								
Lewiston	31,791	9					2			
Portland	69,272	24	3		1		1			1
Sanford (town)	10,691	1								
Maryland:										
Baltimore	733,826	170	18		11		3		10	15
Cumberland	29,837									1
Massachusetts:										
Amesbury (town)	10,006	2								
Arlington (town)	18,665	4	2							
Attleboro	19,731	2								
Beverly	22,561	1								
Boston	748,060	183	42	3	35		13	2	58	13
Braintree (town)	10,580	3			1				1	2
Brookline	37,748		1						1	
Cambridge	109,694	20	3		1		2		3	1
Chelsea	43,184	6	1				2		2	
Chicopee	36,214	6							1	
Clinton	12,979	3								
Dedham	10,792	1					2			
Everett	40,120				1				1	
Fall River	120,485	27	1		5		2		2	
Fitchburg	41,029	6	4						1	
Frammingham	17,033	4							1	
Gardner	16,971	5							1	
Greenfield	15,462	1								
Haverhill	53,884	6	1							
Holyoke	60,203	19	3	1			2		1	
Lawrence	94,270	13							3	1
Leominster	19,744	5								
Lowell	112,759	22	4				2		2	
Lynn	99,148	19	8	2	3		1		3	
Malden	49,103	15	1						2	1
Medford	39,038	8	2							
Melrose	18,204	2								
Methuen	15,189	0			1				1	
Newburyport	15,618	4								
Newton	46,054	7	1		2					
North Adams	22,282	6	1							
Northampton	21,951	3			4		1		1	
Peabody	19,552	5								
Pittsfield	41,763	10					3		1	1
Plymouth	13,045	3								
Quincy	47,876	8	5				1		5	2
Salem	42,529	4			3				1	
Somerville	93,091	10	1		2				2	1
Springfield	129,614	27	3		3	1			2	1
Taunton	37,137	10	3		1					1
Wakefield	13,025	3								
Waltham	30,615	1					1			
Watertown	21,457	1	2		1					
Webster	13,258	2								
West Springfield	13,443	3								
Westfield	18,604	3	2	1					2	
Winthrop	15,455	2					2			
Woburn	16,574	1								

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Michigan:										
Alpena.....	11,101	13			1		1			
Ann Arbor.....	10,516	3	1				1			
Benton Harbor.....	12,233	3					1			
Detroit.....	903,678	179	20	1	9		23	2	66	20
Hamtramck.....	48,615	1	4							
Highland Park.....	46,499	11								
Holland.....	12,183	0	2				1			
Kalamazoo.....	48,487	15	5				2		2	1
Marquette.....	12,718	1								
Muskegon.....	36,570	7			1					
Pontiac.....	34,273	9	1						1	2
Port Huron.....	25,944	11			1					
Saginaw.....	61,903	13	1		2		4		3	1
Sault Ste. Marie.....	12,096	2								
Minnesota:										
Duluth.....	98,917	8	1		3		1			
Hibbing.....	15,069	1					5			
Mankato.....	12,469								1	
Minneapolis.....	380,582	90	10	2	4		12	1	26	8
Rochester.....	13,722	20							1	1
St. Cloud.....	15,873						1			
St. Paul.....	234,698	54	9		3		19		13	1
Winona.....	10,143		1							
Missouri:										
Cape Girardeau.....	10,252		2		2					
Independence.....	11,686	8								
Joplin.....	29,902		1							
Kansas City.....	324,410	64	3				1		4	3
St. Joseph.....	77,939	23							3	2
St. Louis.....	772,897	134	19	1	2		3		39	6
Springfield.....	39,631	8								
Montana:										
Anaconda.....	11,668	1								
Billings.....	15,100	3					1			
Great Falls.....	24,121	6	6	1			1			
Missoula.....	12,668	4								2
Nebraska:										
Lincoln.....	54,948	7			1		1		1	
Omaha.....	191,601	33	2	1			1			2
Nevada:										
Reno.....	12,016	5								
New Hampshire:										
Concord.....	22,167	9					4			1
Dover.....	13,029	3								
Keene.....	11,210	1			1					
Nashua.....	28,379	9								
New Jersey:										
Asbury Park.....	12,400	3							2	1
Atlantic City.....	50,707	14			2		3		3	
Bayonne.....	76,754		1						1	
Belleville.....	15,660								1	
Bloomfield.....	22,019	2							1	
Clifton.....	26,470	2	1		2				2	
East Orange.....	50,710	6			1					
Elizabeth.....	95,788		9		2		3		7	3
Englewood.....	11,627	2								
Hackensack.....	17,667	7	1						1	
Hoboken.....	68,166	10	4							
Jersey City.....	298,108		10		2				6	
Kearny.....	26,724	3					1		1	
Morristown.....	12,548	3			2				1	1
Newark.....	414,524	72	9		25		5		14	
Orange.....	33,268	4	2		1		3		4	
Pasaic.....	63,841	10	3	1	6				5	2
Paterson, N. J.....	135,875		4		2				2	
Perth Amboy.....	41,707	5					2			1
Phillipsburg.....	16,923	2	1							
Plainfield.....	27,700	7	1				1		2	
Rahway.....	11,042	1								
Summit.....	10,174	3					1		1	
Trenton.....	119,289	36	15		4		1		7	2
West Hoboken.....	40,074	3	2							
West New York.....	29,926	2								
West Orange.....	15,573	3					2		1	2

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New Mexico:										
Albuquerque.....	15,157	10	4	1			2			2
New York:										
Albany.....	113,344	12	1		1				4	
Auburn.....	36,192	133	8		1		1			7
Buffalo.....	605,775		1				7	1		
Elmira.....	45,393									
Geneva.....	14,048	5								
Glen Falls.....	16,738	5								1
Hornell.....	15,025	4			1					
Hudson.....	11,745	1								
Ithaca.....	17,004	7							1	
Jamestown.....	38,917	2							5	
Lockawanna.....	17,918	2								
Little Falls.....	13,029	4								
Lockport.....	21,308	4							1	
Mount Vernon.....	42,726	10	1		3		2			
New York.....	5,620,048	1,027	120	6	48	1	24		159	75
Newburgh.....	30,386	9			3				2	1
Niagara Falls.....	50,760	13			3					
North Tonawanda.....	15,482	2								
Olean.....	20,506	4							2	1
Peekskill.....	15,868	0			2		1		1	
Plattsburg.....	10,909	6								
Port Chester.....	16,573	2								
Poughkeepsie.....	35,000	5								
Rochester.....	295,750	42	5	2	12		4	1	28	1
Saratoga Springs.....	13,181	3							1	
Schenectady.....	88,723	16	1				1		2	1
Syracuse.....	171,717	30	16				7			2
Troy.....	72,013	22		1					9	1
Watertown.....	31,285	10	1						1	2
White Plains.....	21,081	8					1		1	1
Yonkers.....	100,176	20	3		1		4			2
North Carolina:										
Durham.....	21,719	2	1						3	
Raleigh.....	24,418	13	4							
Rocky Mount.....	12,742	7								
Salisbury.....	13,884	0								
Wilmington.....	33,372	3	2						1	
Winston-Salem.....	45,395	12	2				1		4	1
North Dakota:										
Fargo.....	21,961	0								
Ohio:										
Akron.....	208,435	19	2				2		19	1
Ashtabula.....	22,082	2								
Barberton.....	18,811	2	1							
Bucyrus.....	10,425	2								1
Cambridge.....	13,104	5			1					
Canton.....	87,091	8	3						2	
Chillicothe.....	15,831	5								
Cincinnati.....	401,247	78	5				2		8	8
Cleveland.....	795,841	139	9	1	18		21		71	18
Cleveland Heights.....	15,286		1		1		1			
Columbus.....	237,031	58	3	1	3				2	
Dayton.....	152,559	36	2				1		8	
East Cleveland.....	27,292	3			1					1
Findlay.....	17,021	5								
Fremont.....	12,468	2							1	
Hamilton.....	39,675	8					4		1	
Lancaster.....	14,706	3	1							
Lima.....	41,326	7	2							
Lorain.....	27,295		1		1		2			
Mansfield.....	27,624	8	2	1			1		1	
Marion.....	27,691		1				3			
Martins Ferry.....	11,034	7	2							
New Philadelphia.....	10,718						1		1	
Newark.....	28,718	10								
Niles.....	23,080				1					
Norwood.....	24,986	1					1			
Piqua.....	15,044	6	1							
Palem.....	10,306	2	1						1	
Pandutsky.....	22,897	6			1				1	
Springfield.....	60,980	16	1				4		1	3

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Ohio—Continued.										
Steubenville.....	28,508	9	1							
Troy.....	243,164	37	9		14	2	1		6	2
Youngstown.....	132,358	21	4		1		2		2	
Zanesville.....	29,569	8	1				1		1	
Oklahoma:										
Oklahoma.....	91,295	19	4		1		1			
Tulsa.....	72,075		1		1		1			
Oregon:										
Portland.....	258,288	62	2				1		7	3
Pennsylvania:										
Allentown.....	73,502		5						1	
Ambridge.....	12,730				1					
Beaver Falls.....	12,802		1				2			
Berwick.....	12,181		1							
Bethlehem.....	50,358		3		3		3			
Braddock.....	20,879				3				1	
Canonsburg.....	10,032		1							
Chester.....	58,030				5					
Coatesville.....	14,515				1					
Erie.....	93,372		2		1				10	
Harrisburg.....	75,917		2		1					
Hazleton.....	32,277		1							
Homestead.....	20,442				2					
Johnstown.....	67,327		4							
McKees Rocks.....	16,713		15							
McKeesport.....	45,781						2		3	
Monessen.....	18,179		1						1	
Mount Carmel.....	17,469						2		1	
New Castle.....	44,633		2				1		1	
Now Kensington.....	11,967						1			
Norristown.....	32,819				4					
Philadelphia.....	1,522,779	497	35	1	88	4	25		68	38
Phoenixville.....	10,484									
Pittsburgh.....	588,343		12		32		6		17	
Pottsville.....	21,876		1							
Reading.....	107,784		3		5				1	
Scranton.....	137,783		2		1					
Steelton.....	13,428		1				3			
Sunbury.....	15,721		1							
Tamaqua.....	12,363		1		2					
Uniontown.....	15,692						2			
Wilkes-Barre.....	73,833		3				1			
Williamsport.....	36,196		2							
York.....	47,512		2				1			
Rhode Island:										
Cranston.....	29,407	7								1
Pawtucket.....	64,248	7	1				1			
Providence.....	237,595	50	1		4					6
South Carolina:										
Charleston.....	67,957	22								
Columbia.....	37,524		2				1		3	
Greenville.....	23,127	4								1
South Dakota:										
Sioux Falls.....	25,202	2	1							
Tennessee:										
Chattanooga.....	57,885		3				1			
Knoxville.....	77,818	15					1			2
Memphis.....	162,351	35	9	1	1			1	10	3
Nashville.....	118,342	42	2				2		2	5
Texas:										
Abilene.....	10,274	16	3				2		6	3
Beaumont.....	40,422	11	1							2
Corpus Christi.....	10,522	4								
Dallas.....	158,976	30	5				3		3	2
El Paso.....	77,560	37	1							10
Fort Worth.....	106,492	17	3				1		1	1
Galveston.....	44,255	7								1
Houston.....	138,276	24								3
Waco.....	38,500	11	4							
Utah:										
Salt Lake City.....	118,110	31		1	3					1
Vermont:										
Burlington.....	22,779	13			2					
Rutland.....	14,954	4								

CITY REPORTS FOR WEEK ENDED AUGUST 12, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Virginia:										
Alexandria.....	18,060	3	1							1
Danville.....	21,539	9	1						2	1
Lynchburg.....	30,070	4	1						2	
Norfolk.....	115,777				1		3		2	
Petersburg.....	31,012	9	1						1	2
Richmond.....	171,667	35	3				1			4
Roanoke.....	50,842	13	14							1
Washington:										
Bellingham.....	25,585		1							
Everett.....	27,644		1							
Seattle.....	315,312		3				1			
Spokane.....	104,437		4		1		2			
Tacoma.....	96,905		2				1			
West Virginia:										
Bluefield.....	15,282	4	1				2			
Charleston.....	39,608	11							9	
Clarksburg.....	27,889	2	3							
Fairmont.....	17,851		1				1			
Huntington.....	50,177	13	1							2
Moundsville.....	10,669	5	1							
Parkersburg.....	20,050	4								
Wheeling.....	56,208	10					2		1	
Wisconsin:										
Appleton.....	19,561	1	1							
Beloit.....	21,284	6			1		1		9	
Eau Claire.....	20,906		1							
Fond du Lac.....	23,427	8								1
Green Bay.....	31,017		3							
Jacobsville.....	18,293	5	1				2			
Kenosha.....	40,472	5					1			
La Crosse.....	30,421				2		4			
Manitowoc.....	17,563								2	
Marinette.....	13,610						1			
Milwaukee.....	457,147		7		32		3		22	
Oshkosh.....	33,162	5								
Racine.....	58,593	9								
Sheboygan.....	30,955		3							
Stevens Point.....	11,371		1							
Superior.....	39,671	7	1	1			1			
Wausau.....	18,661		1							
West Allis.....	13,745								2	
Wyoming:										
Cheyenne.....	13,829	10					1		2	2

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922.

ANTHRAX.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Connecticut:				New York:			
Hartford County—				Broome County—			
Hartford.....		1		Binghamton.....		1	
New Haven County—				Endicott (town).....	1		
Meriden.....		1		Fulton County—			
Total.....		2		Gloversville.....		1	
Delaware:				Steuben County—		1	
New Castle County—				Corning.....			1
Wilmington.....		1		New York City.....			
Louisiana:				Total.....	1	3	1
St. Mary Parish—				Oregon.....			
Berwick.....		1		Pennsylvania.....	6		
Maryland:			1				
New Jersey:							
Camden County—							
Camden.....	1						

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922--Continued.

CEREBROSPINAL MENINGITIS.

Place.	New cases re- ported.			Place.	New cases re- ported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama:				Indiana--Continued.			
Barbour County.....		1		Steuben County.....	1		
Arkansas:				Vigo County.....	2		
Pulaski County.....		1		Total.....	4	1	3
Sebastian County.....		1		Iowa:			
Total.....		2		Cass County.....		1	1
California:				Cerro Gordo County.....	1		
Alameda County.....			1	Webster County.....	1		1
Lds Angeles County.....	3	7	4	Total.....	2	1	2
Merced County.....			1	Kansas:			
Orange County.....	1			Harvey County.....		1	
Riverside County.....		1		Phillips County.....	2		
San Diego County.....	1	1	1	Saline County.....		1	
San Francisco County.....	2	3	2	Sedgwick County.....	1		
San Joaquin County.....		1		Wyandotte County.....		1	
Tulare County.....		1		Total.....	3	3	
Total.....	7	14	9	Louisiana:			
Connecticut:				Calcasieu Parish.....			1
Fairfield County.....	1	4	1	Catahoula Parish.....		1	
Hartford County.....	4	2		Concordia Parish.....	1		
New Haven County.....	6	3	2	Orleans Parish.....			1
Total.....	11	9	3	St. Mary Parish.....	1		
Delaware:				West Feliciana Parish.....	1	1	
Sussex County.....		2		Total.....	3	2	2
Place not stated.....	1			Maine:			
Total.....	1	2		Androscoggin County.....	1	1	
Florida:				York County.....	1		
Hillsborough County.....	4			Total.....	2	1	
Manatee County.....			1	Maryland:			
Total.....	1		1	Baltimore City.....	1	2	1
Hawaii:				Massachusetts:			
Oahu.....			4	Berkshire County.....	1		
Illinois:				Bristol County.....	2		
Bureau County.....			2	Essex County.....	3	2	3
Carroll County.....	1			Hampden County.....	1	1	1
Champaign County.....		1		Hampshire County.....		1	
Coles County.....			1	Middlesex County.....	3	2	3
Cook County.....	12	7	5	Norfolk County.....	1		1
Franklin County.....		1		Plymouth County.....	2		1
Fulton County.....		1		Suffolk County.....	1	3	4
Gallatin County.....	1			Worcester County.....	1		
Grundy County.....		1		Total.....	15	9	13
Jasper County.....	2			Minnesota:			
Kane County.....		1	1	Blue Earth County.....		1	
Kendall County.....		1		Dakota County.....	1		
Knox County.....			1	Lake County.....			1
Lake County.....	1			Lyons County.....		7	
La Salle County.....			1	Ramsey County.....		1	
Livingston County.....	1			St. Louis County.....	1	2	
McLean County.....	1			Traverse County.....		1	
Macoupin County.....	1			Total.....	2	12	1
Marion County.....		1		Mississippi:			
Piatt County.....	1			Amite County.....	1		
Richland County.....			1	Washington County.....		1	
Rock Island County.....		1	1	Total.....	1	1	
Saline County.....			1	Montana:			
Wayne County.....	1			Carbon County.....		1	
Winnebago County.....	1		1	Missoula County.....		1	1
Total.....	24	15	15	Silver Bow County.....		1	
Indiana:				Total.....		3	1
Grant County.....			1				
Henry County.....		1					
Jefferson County.....			1				
St. Joseph County.....	1		1				

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

CEREBROSPINAL MENINGITIS—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Nebraska:				Pennsylvania—Continued.			
Dodge County.....			1	Cumberland County.....	1		
Douglas County.....	1			Delphin County.....		1	
Total.....	1		1	Delaware County.....		1	
New Jersey:				Erie County.....	1		1
Bergen County.....	2	1	1	Fayette County.....	1		
Essex County.....	3	2	2	Franklin County.....			1
Hudson County.....	2	3	3	Lawrence County.....			1
Middlesex County.....		1		Luzerne County.....	1		
Monmouth County.....		1	1	McKean County.....		1	
Passaic County.....	2			Northampton County.....			1
Somerset County.....			1	Philadelphia County.....	5	3	
Union County.....		1	2	Schuylkill County.....	1		
Total.....	9	9	11	Venango County.....		1	
New York:				Westmoreland County.....			1
Albany County.....	1	1		Total.....	13	12	7
Chemung County.....		1	2	Rhode Island:			
Erie County.....	3	2		Newport County.....	1		
Essex County.....		1		Providence County.....			1
Montgomery County.....	1			Total.....	1		1
Nassau County.....	2		2	South Carolina:			
Niagara County.....			1	Chester County.....			1
Oneida County.....			1	Richland County.....	1		1
Onondaga County.....		1	1	Total.....	1		2
Orange County.....			1	South Dakota:			
St. Lawrence County.....		1	1	Charles Mix County.....			1
Suffolk County.....	1	1		Codington County.....			1
Ulster County.....	1	2		Jersuld County.....		1	
Westchester County.....	2	2	1	Roberts County.....	1		
New York City.....	19	23	14	Total.....	1	1	2
Total.....	29	33	24	Vermont:			
North Carolina:				Addison County.....		1	
Caldwell County.....			1	Virginia:			
Camden County.....		3		Augusta County.....	3		
Durham County.....		1		Buckingham County.....			1
Edgecombe County.....		1		Carroll County.....			1
Richmond County.....			1	Dickenson County.....	2		
Sampson County.....		1		Loudoun County.....			1
Wayne County.....			1	Mecklenburg County.....			1
Wilkes County.....			1	Nottoway County.....	3		
Total.....		6	4	Pittsylvania County.....		1	
Ohio:				Rockbridge County.....			1
Belmont County.....	2			Russell County.....	2		
Butler County.....		2		Shenandoah County.....	1	1	
Clinton County.....	1		1	Washington County.....	2		
Cuyahoga County.....	1	1		Total.....	13	2	5
Delaware County.....				Washington:			
Hamilton County.....	1			Chelan County.....	1		
Jefferson County.....	1			Grant County.....		1	
Lake County.....		1	1	Pierce County.....		1	
Lorain County.....			1	Snohomish County.....	1		
Mahoning County.....			1	Spokane County.....		1	
Montgomery County.....			1	Thurston County.....			1
Ottawa County.....	1			Total.....	2	3	1
Portage County.....			1	West Virginia:			
Putnam County.....		1		Boone County.....			1
Stark County.....	1			Cabell County.....			1
Summit County.....		1		Jackson County.....		1	
Wood County.....	1			Kanawha County.....	2		
Total.....	9	6	7	Wirt County.....			1
Pennsylvania:				Total.....	2	1	3
Adams County.....		2					
Allegheny County.....	1	2	1				
Bucks County.....	1						
Cambria County.....	1		1				
Chester County.....		1					

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

CEREBROSPINAL MENINGITIS—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Wisconsin:				Wisconsin—Continued.			
Columbia County.....	2			Portage County.....			1
Dunn County.....		1		Rusk County.....		1	
Iowa County.....		3		Sauk County.....			1
La Crosse County.....	1			Total.....	9	11	4
Milwaukee County.....	6	6	2				

INFLUENZA.

Alabama:				California:			
Baldwin County.....	3	5	14	Alameda County—			
Barbour County.....	90			Berkeley.....	11	5	
Bullock County.....	27			Scattering.....	12	3	3
Calbert County.....	2			Amador County.....	7		
Covington County.....	3			Butte County—			
Dallas County.....	12	3		Chico.....	25	1	1
DeKalb County.....	6			Scattering.....	9	2	
Franklin County.....		1		Columbia County.....	12		
Geneva County.....	18			Contra Costa County.....	3		
Hale County.....			1	Fresno County.....	5	1	
Henry County.....		1		Glenn County.....	4	1	
Houston County.....	70	10		Humboldt County.....	1		
Jefferson County.....	5	2		Imperial County.....	2		
Macon County.....			1	Inyo County.....	1		
Marengo County.....	4	1		Kern County.....	10		1
Marion County.....	19			Lake County.....	14	1	
Marshall County.....	7			Lassen County.....	1		2
Mobile County.....				Los Angeles County—			
Montgomery County.....			1	Glendale.....	17		
Pike County.....	33	4		Los Angeles.....	83	20	3
Sumter County.....	26			Venice.....	74		
Walker County.....		3		Scattering.....	62	6	2
Washington County.....	2			Marin County.....	4		1
Winston County.....	11			Mariposa County.....	23	12	
Total.....	338	30	18	Mendocino County.....	12		1
Arkansas:				Merced County.....	19	3	
Benton County.....	4	1	3	Modoc County.....	3	1	4
Bradley County.....	5	2	1	Monterey County.....	2		
Calhoun County.....	4			Napa County—			
Clay County.....			2	Napa.....	26	1	
Cleveland County.....	3			Scattering.....	47	10	
Conway County.....	20			Nevada County.....	1	3	
Drew County.....	24	1		Orange County.....	6	1	
Faulkner County.....	23			Placer County.....	1		
Franklin County.....	47			Plumas County.....	1		
Greene County.....	2	6		Riverside County—			
Hempstead County.....	38			Corona.....	28		
Hot Spring County.....	5	5		Riverside.....	1		
Lafayette County.....	13			San Bernardino County—			
Lonoke County.....	2			Redlands.....	19		
Miller County.....		8	2	Scattering.....	40		
Mississippi County.....	5	1		San Diego County—			
Monroe County.....	8			National City.....		11	
Ochawita County.....		1		San Diego.....	16	11	2
Pike County.....	111	50	5	Scattering.....	11	34	
Poinsett County.....	2	2		San Francisco County.....	26	11	5
Pope County.....	2	1		San Joaquin County.....	1	1	
Pulaski County.....	20			San Louis Obispo County.....			
St. Francis County.....	4	2		San Mateo County.....		5	
Saline County.....	140			Santa Barbara County.....	3		
Scott County.....			3	Santa Clara County.....	12		
Sebastian County.....	35	7		Santa Cruz County.....	8		
Sharp County.....	1			Shasta County.....	12	3	
Union County.....	23	2		Sierra County.....	1	1	
Washington County.....	3			Siskiyou County.....		2	1
White County.....	6	1		Solano County.....	1		
Total.....	550	90	16	Sonoma County.....	11		1
				Stanislaus County.....	16	4	
				Sutter County.....	1		
				Tehama County.....	6		

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
California—Continued.				Hawaii:			
Tulare County.....	1	3	.....	Hawaii—			
Ventura County.....	12		.....	North Kona.....		60	.....
Fillmore.....	5		.....	South Kohala.....		17	.....
Scattering.....			2	Scattering.....		4	2
Total.....	756	166	29	Kauai.....	2		.....
Colorado:				Mani—			
Boulder County.....	8		.....	Waialuku.....		11	.....
Mesa County.....	1		.....	Scattering.....	1	1	.....
Montezuma County.....	13		.....	Oahu—			
Morgan County.....	94	4	.....	Honolulu.....	111	27	3
Rio Grande County.....	15		.....	Koolauloa.....	22	3	.....
Summit County.....	8		.....	Scattering.....	9	7	6
Weld County.....	13		.....	Total.....	145	130	11
Yuma County.....							
Total.....	62	4	12	Idaho:			
Connecticut:				Owyhee County.....	3		.....
Fairfield County.....	20	6	2	Illinois:			
Hartford County.....	26	16	3	Adams County.....	8	4	.....
Litchfield County.....	272	3	1	Alexander County.....	3		.....
New Haven County.....	52	10	16	Boone County.....	1		.....
New London County.....	24	11	.....	Bureau County.....	3		.....
Tolland County.....	1		.....	Calhoun County.....	36	1	.....
Windham County.....		1	.....	Carroll County.....	1		.....
Total.....	395	47	22	Champaign County.....	1		1
Delaware:				Coles County.....	1		.....
New Castle County.....	2	1	.....	Cook County.....	150	49	16
Sussex County.....	6		.....	Franklin County.....	11	2	.....
Total.....	8	1	.....	Fulton County.....	2		.....
District of Columbia.....	9	1	.....	Gallatin County.....		1	.....
Florida:				Hancock County.....	1		.....
Alachua County.....			1	Henry County.....	10	1	1
Bay County.....			2	Iroquois County.....	6		.....
Bradford County.....	1	1	1	Jasper County.....	2		.....
Brevard County.....		3	1	Jefferson County.....	4		.....
Columbia County.....		6	2	Jersey County.....	1		.....
Dade County—				Johnson County.....	5	1	.....
Miami City.....		18	4	Kane County.....	8		.....
Scattering.....			1	Kendall County.....	1		.....
Duval County.....	4	2	1	Knox County.....	2	1	.....
Escambia County.....		1	.....	Lake County.....	5		1
Flagler County.....			2	La Salle County.....			18
Gadsden County.....	2	16	3	McDonough County.....	20		.....
Hardee County.....			13	Macon County.....	2		.....
Hillsborough County—				Madison County.....	8		.....
Tampa.....	11	6	15	Massac County.....	3		.....
Scattering.....	1	1	6	Mercer County.....		1	.....
Holmes County.....		2	.....	Peoria County.....			.....
Jackson County.....	7	28	7	Pike County.....	9		.....
Jefferson County.....	1		.....	Rock Island County.....	3		.....
Lake County.....	1		.....	St. Clair County.....		1	.....
Lee County.....	1		.....	Saline County.....	2		.....
Leon County.....	1		1	Sangamon County.....	6	2	2
Liberty County.....			.....	Shelby County.....	1		.....
Madison County.....		3	.....	Stark County.....	10		.....
Marion County.....		1	63	Tazewell County.....	1		.....
Osceola County.....		1	.....	Union County.....	16	2	.....
Pasco County.....	21		17	Vermilion County.....	4	5	.....
Polk County.....			8	Wabash County.....	10		.....
Putnam County.....		2	1	Warren County.....		1	.....
St. Johns County.....	1		1	Wayne County.....	2		.....
Suwanee County.....		1	6	White County.....		1	.....
Union County.....	20	3	.....	Whiteside County.....	16		.....
Walton County.....		1	.....	Will County.....	2		.....
Total.....	73	96	161	Williamson County.....	16		.....
				Winnebago County.....	10	3	3
				Woodford County.....	2		.....
				State institutions.....	37	10	.....
				Place not stated.....			3
				Total.....	443	86	45
				Indiana:			
				Clay County.....	1		.....
				Elkhart County.....	1		.....

1 Places not stated.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Indiana—Continued.				Louisiana—Continued.			
Gibson County.....	10			St. Mary Parish.....	1		
Henry County.....	1			Tangipahos Parish.....	4		1
Huntington County.....		1		Terrebonne Parish.....	1		1
Jasper County.....	1	1		Vermilion Parish.....	1		
Kosciusko County.....			1	Vernon Parish.....	45		
Martin County.....	20	1		Washington Parish.....	2		
Randolph County.....	1			Webster Parish.....	1		
Wayne County.....	2			West Feliciana Parish.....	57	2	
Total.....	37	3	1	Total.....	608	107	2
Kansas:				Maine:			
Barber County.....	1			Androscoggin County.....	3		
Barton County.....	1	1		Aroostook County—			
Brown County.....		1		Castle Hill Town.....	15		
Charokee County.....	5			Sherman Town.....	10		
Crawford County.....	2			Cumberland County—			
Decatur County.....	7			Freeport Town.....	25		
Dickinson County.....	15			Scattering.....	2		
Ellsworth County.....	1			Franklin County—			
Ford County.....	3			Kingfield Town.....	18		
Greeley County.....	4			Hancock County—			
Harvey County.....	1			Brookville Town.....	8		
Linn County.....		1		Castine Town.....	24		
Marion County.....	2	2		Kennebec County.....	15		
Marshall County.....	1			Knox County—			
Montgomery County.....	3			Camden Town.....	15		
Rawlins County—				North Haven Town.....	23		
Ludell.....	12	11		Rockland.....	73		
Scattering.....	4			Washington Town.....	21		
Republic County.....	1			Lincoln County—			
Seward County.....	1			Bristol Town.....	35		
Smith County.....	1			Oxford County.....		4	
Sumaner County.....	2		2	Piscataquis County—			
Wilson County.....				Brownville Town.....	23		
New Albany.....	13			Milo Town.....		2	
Fredonia.....	11	1		Somerset County—			
Total.....	91	17	2	Madison Town.....	47		
Louisiana:				Canaan Town.....	2	1	
Acadia Parish.....	1	5		Waldo County—			
Allen Parish.....	75			Belfast.....	95		
Ascension Parish.....	2			Belmont Town.....	13		
Assumption Parish.....	34			Searsport Town.....	5		
Avoyelles Parish.....	24			York County—			
Bienville Parish.....	6	1		Sanford Town.....	1	20	
Caddo Parish.....	29			Scattering.....	2		
Calcasieu Parish.....	25	3		Total.....	490	27	12
Concordia Parish.....	5						
De Soto Parish.....	40			Maryland:			
East Baton Rouge Parish.....	6	1		Allegany County.....	14	1	3
East Carroll Parish.....		1		Anne Arundel County.....	1	8	
East Feliciana Parish.....	19	10		Baltimore City.....	69	9	
Franklin Parish.....	1			Baltimore County.....	12	2	
Grant Parish.....	11	6		Calvert County.....	10		
Iberia Parish.....	3	1		Caroline County.....	37	5	
Iberville Parish.....	51			Carroll County.....	5	1	
Jackson Parish.....		1		Charles County.....	20	2	2
Jefferson Davis Parish.....	8			Dorchester County—			
Lafourche Parish.....		1		Cambridge.....	20	1	
La Salle Parish.....	21			Scattering.....	126	11	14
Lincoln Parish.....	2			Frederick County.....	36	2	
Livingston Parish.....	7			Harford County.....	5	1	
Madison Parish.....	8			Howard County.....	25	6	
Morehouse Parish.....		72		Kent County.....	6	4	
Natchitoches Parish.....	7			Montgomery County.....	24	1	
Orleans Parish.....	15	3		Prince Georges County.....	5	1	
Ouachita Parish.....	11			Queen Annes County.....	1		
Pointe Coupee Parish.....	12			Somerset County—			
Rapides Parish.....	9			Crisfield.....	13		1
Richland Parish.....	23			Scattering.....	17	7	2
St. Charles Parish.....	17			Talbot County.....	81	12	
St. Landry Parish.....	21			Washington County.....	16	5	

¹ Places not stated.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Maryland—Continued.				Mississippi—Continued.			
Wicomico County—				Lincoln County.....	72	14	.....
Salisbury.....	18	4	.....	Lowndes County.....	16	.....	4
Scattering.....	103	2	.....	Madison County.....	25	.....	.....
Worcester County.....	8	3	.....	Marion County.....	209	49	.....
State Hospital.....	.....	1	.....	Marshall County.....	30	3	12
Total.....	677	89	22	Monroe County.....	112	13	19
Massachusetts.....	163	38	11	Montgomery County.....	20	.....	.....
Michigan.....	260	22	(1)	Newton County.....	22	7	.....
Minnesota:				Noxubee County.....	55	.....	.....
Becker County.....	.....	2	.....	Oktibbeha County.....	12	.....	.....
Blue Earth County—				Panola County.....	4	.....	.....
Good Thunder.....	20	.....	.....	Pearl River County.....	215	33	.....
Clay County.....	3	3	.....	Pike County.....	121	20	3
Freeborn County.....	1	.....	.....	Pontotoc County.....	40	.....	.....
Kittson County.....	1	.....	.....	Prentiss County.....	8	.....	.....
Koochiching County.....	.....	1	.....	Quitman County.....	2	2	.....
Lac qui Parle County.....	.....	2	.....	Rankin County.....	10	.....	.....
Marshall County—				Scott County.....	29	.....	.....
Warren.....	25	.....	.....	Sharkey County.....	8	9	3
Nicollet County.....	1	.....	.....	Simpson County.....	37	.....	.....
Ottertail County.....	8	3	.....	Stone County.....	29	54	38
Pennington County.....	3	2	.....	Sunflower County.....	77	74	11
Pine County.....	1	.....	.....	Tallahatchie County.....	44	1	.....
Redwood County.....	2	.....	1	Tate County.....	6	.....	.....
St. Louis County—				Tippecanoe County.....	9	.....	.....
Chisholm.....	200	.....	.....	Tunica County.....	30	15	.....
Scattering.....	6	1	.....	Union County.....	3	.....	.....
Sibley County.....	.....	1	.....	Walthall County.....	23	5	5
Wabasha County.....	.....	1	.....	Warren County.....	62	.....	.....
Winona County.....	1	1	.....	Washington County.....	65	32	1
Wright County.....	1	.....	.....	Wayne County.....	45	.....	.....
Total.....	273	17	1	Webster County.....	15	.....	1
Mississippi:				Wilkinson County.....	10	.....	.....
Adams County.....	30	3	.....	Winston County.....	215	2	.....
Akron County.....	27	28	4	Yalobusha County.....	29	13	.....
Amite County.....	73	2	.....	Yazoo County.....	21	.....	.....
Attala County.....	18	.....	.....	Total.....	4,341	753	198
Bolivar County.....	80	8	.....	Montana.....	14	.....	1
Carroll County.....	47	.....	.....	Nobreaks.....	108	3	.....
Chickasaw County.....	21	16	.....	New Jersey:			
Chickasaw County.....	2	.....	.....	Bergen County.....	5	5	.....
Clarke County.....	365	3	.....	Burlington County.....	4	.....	.....
Clay County.....	113	30	3	Camden County.....	1	.....	.....
Coahoma County.....	20	4	.....	Cape May County.....	8	2	2
Copiah County.....	79	.....	.....	Cumberland County.....	4	.....	.....
Covington County.....	33	14	22	Essex County.....	59	24	12
De Soto County.....	13	2	.....	Hudson County.....	17	5	.....
Forrest County.....	95	35	17	Hunterdon County.....	1	2	.....
Franklin County.....	22	.....	.....	Mercer County.....	9	.....	.....
Greene County.....	77	3	.....	Monmouth County.....	2	3	.....
Hancock County.....	14	.....	.....	Morris County.....	4	.....	.....
Harrison County.....	256	29	4	Passaic County.....	1	.....	1
Hinds County.....	67	.....	.....	Salem County.....	.....	1	.....
Holmes County.....	186	143	35	Union County.....	.....	1	.....
Humphreys County.....	.....	9	.....	Warren County.....	1	.....	.....
Jackson County.....	12	.....	.....	Total.....	116	43	15
Jasper County.....	135	.....	.....	New Mexico:			
Jefferson County.....	10	7	.....	Catron County.....	12	.....	.....
Jefferson Davis County.....	58	30	6	Chaves County.....	2	.....	.....
Jones County.....	280	12	.....	Colfax County.....	9	.....	.....
Kemper County.....	1	.....	.....	Dona Ana County.....	.....	5	.....
Lafayette County.....	170	10	.....	Grant County.....	11	.....	.....
Lamar County.....	15	.....	.....	Luna County.....	3	.....	.....
Lauderdale County.....	100	.....	.....	Mora County.....	10	.....	.....
Lawrence County.....	.....	4	.....	Otero County.....	42	.....	.....
Leake County.....	48	.....	.....	Rio Arriba County.....	27	.....	.....
Lee County.....	85	7	8	Sandoval County.....	.....	2	.....
Leflore County.....	61	8	2	Santa Fe County.....	212	1	.....
				Sierra County.....	5	6	.....

1 Report for June not received at time of going to press.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
New Mexico—Continued.				New York—Continued.			
Socorro County.....	18	3	1	Otsego County—Contd.			
Taos County.....	53			Otego.....	27		
Torrance County.....	6			Scattering.....	1	1	
Valencia County.....	114	4		Rensselaer County—			
Total.....	524	21	1	Petersburg Town.....	31	7	
New York:				Pittstown Town.....	14		
Albany County—				Scattering.....	34	1	
Albany.....	35	2	4	Rockland County.....	6		
Cohoes.....	1			St. Lawrence County—			
Allegany County—				Potsdam.....	127		2
Hume Town.....	21			Scattering.....	11		
Scattering.....	13			Saratoga County—			
Broome County—				Saratoga Springs.....	27		1
Binghamton.....	48	13	1	Malta Town.....	17		
Scattering.....	7	1		Scattering.....	5		1
Cattaraugus County.....	9	1		Schoharie County.....	3		
Cayuga County.....	3	1		Schuyler County.....	4		
Chautauque County—				Seneca County—			
Dunkirk.....	30			Ovid Town.....	11		
Scattering.....	6	3		Scattering.....	11	2	
Chenango County.....	7	1		Steuben County—			
Clinton County.....	2	1		Bath.....	27		
Columbia County—				Scattering.....	5	4	1
Ancram Town.....	14			Suffolk County—			
Clermont Town.....	12			Islip Town.....	37	5	
Scattering.....	1	5		Scattering.....		8	1
Cortland County—				Tioga County—			
Cortland.....	11			Owego.....	20	1	
Harford.....	1			Scattering.....		2	
Delaware County—				Tompkins County.....	3		
Hamden Town.....	27			Ulster County.....	12		
Walton Town.....	21			Rochester Town.....	3		
Scattering.....	4	1		Wawarsing.....	3		
Dutchess County—				Warren County.....	7	1	
Hyde Park Town.....	26	7		Washington County.....	6	1	1
Scattering.....	15	4		Wayne County—			
Erie County—				Savannah Town.....	19		
Buffalo.....	40	4		Sodus Town.....	14	6	
Clarence Town.....		9	24	Williamson Town.....	19	2	7
Scattering.....	3	3	2	Scattering.....	8		6
Essex County—				Westchester County.....	9		1
Bloomingdale.....	23	16		Wyoming County.....	7		
Scattering.....	3	2		State Hospitals.....	104	51	4
Franklin County—				New York City.....	166	98	40
Moir Town.....	34			Total.....	1,540	294	102
Waverly Town.....	12			North Dakota.....	22	22	1
Scattering.....	9						
Genesee County.....	1			Ohio:			
Greene County.....	5			Ashland County.....	12		
Hamilton County.....		1	1	Ashtabula County.....	10		
Herkimer County—				Athens County.....	10		
Little Falls.....	41	15		Belmont County.....	3	2	
Jefferson County.....	7	7		Butler County.....	1		
Lewis County.....			1	Carroll County.....	7	3	
Livingston County.....	5			Champaign County.....	2		
Monroe County.....	18		1	Coshocton County.....	3	3	
Montgomery County—				Cuyahoga County.....	27	2	4
Root Town.....	20			Erie County.....	1		
Scattering.....	18	6		Franklin County.....	15	11	
Nassau County.....	2	1		Guernsey County.....	9	3	
Niagara County.....	9	3	1	Hamilton County.....	5	4	1
Oneida County.....	17	2	2	Henry County.....	1		
Onondaga County.....	21			Highland County.....	6		
Ontario County.....	13			Hocking County.....	1		
Orange County—				Huron County.....	5		
Cornwall Town.....	34			Jefferson County.....	1	2	
Cornwall.....	21	1		Lake County.....	1		
Scattering.....	22			Licking County.....	3		
Orleans County.....	1			Lorain County.....	2		
Oswego County.....	1			Lucas County.....	5	4	
Otsego County—				Mahoning County.....	6		
Hartwick Town.....	14			Miami County.....	3		
Otego Town.....	37			Monroe County.....	1		
				Montgomery County.....		1	
				Muskingum County.....	1		

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Ohio—Continued.				Virginia—Continued.			
Noble County.....	3			Culpeper County.....	15	1	
Ottawa County.....	5	1	3	Cumberland County.....	3	3	
Pickaway County.....	1			Dickenson County.....	9		
Portage County.....	3		1	Dinwiddie County.....	20	26	
Putnam County.....	2			Elizabeth City County.....	13		1
Richland County.....	3			Fauquier County.....	45	27	
Ross County.....	1	1		Floyd County.....	9		
Shelby County.....	1			Fluvanna County.....		2	
Summit County.....	11	2	2	Franklin County.....	19		
Trumbull County.....		2		Frederick County.....	45		
Union County.....	2			Giles County.....	119	25	
Vinton County.....	4			Goochland County.....	6	7	4
Wood County.....	4			Grayson County.....	121	40	
Total.....	181	41	11	Greene County.....	43	32	5
Oklahoma:				Greensville County.....	6		
Blaine County.....		20		Halifax County.....	30	5	
McIntosh County.....		25		Hanover County.....	31	35	10
Mayes County.....	71			Henrico County.....	89	23	4
Stephens County.....	1			Henry County.....	28	12	14
Total.....	72	45		Isle of Wight County.....	8		
Oregon.....	5	2		James City County.....	10		
Rhode Island:				King and Queen County.....	10		
Kent County.....	19	6		King George County.....	2		
Providence County.....	1			King William County.....	6		
Washington County.....	45	7		Lancaster County.....	3	2	2
Total.....	65	13		Lee County.....	18	4	15
South Carolina:				Loudoun County.....	61	43	3
Cherokee County.....	10	3		Louisa County.....	3		
Dillon County.....	3			Lunenburg County.....	13		
Greenville County.....	27			Madison County.....	37	6	
Lexington County.....		10		Mecklenburg County.....	41	3	
Marion County.....	11			Middlesex County.....	4	7	
York County.....	10	7		Montgomery County.....	31	23	4
Total.....	61	20		Nansemond County.....	37	1	7
South Dakota:				Nelson County.....	26	2	
Grant County.....	3			New Kent County.....	13	4	
Jackson County.....	4			Northampton County.....	42	9	
Roberts County.....	1			Northumberland County.....	53	47	9
Stanley County.....	4			Nottoway County.....	23	2	1
Union County.....	4			Orange County.....	22	5	7
Total.....	16			Page County.....	16	4	16
Vermont.....	14			Patrick County.....	4		
Virginia:				Pittsylvania County.....	82	19	22
Accomac County.....	36	12		Powhatan County.....	25		
Albemarle County.....	111	14	1	Prince Edward County.....	30		
Alleghany County.....	72	18		Princess Anne County.....	5		
Amelia County.....	8	6	2	Prince William County.....	26	7	6
Amherst County.....	3			Pulaski County.....	42		
Appomattox County.....	10	16		Rappahannock County.....	35		
Augusta County.....	110	21	21	Roanoke County.....	42	3	4
Bath County.....	15			Rockbridge County.....	174	8	5
Bedford County.....	35	4	2	Rockingham County.....	99	22	
Blind County.....	71	3		Russell County.....	117	13	15
Botetourt County.....	11	9	5	Scott County.....	37	24	10
Brunswick County.....	14	3		Shenandoah County.....	161		
Buchanan County.....	89	18		Smyth County.....	82	11	
Buckingham County.....	3	2		Southampton County.....	34	25	5
Campbell County.....	31			Spotsylvania County.....	21		
Caroline County.....		51	12	Stafford County.....	3		
Carroll County.....	30			Surry County.....	19		
Chesterfield County.....	4			Sussex County.....	23	5	
Clarke County.....	39	10	3	Tazewell County.....	112	19	6
Craig County.....	2			Warren County.....	23		
				Warwick County.....	4		
				Washington County.....	45	18	9
				Westmoreland County.....	86	32	10
				Wise County.....	101	51	2
				Wythe County.....	74	20	6
				York County.....	11		
				Total.....	3,285	898	252
				Washington.....	27	15	
				West Virginia.....	699	80	18

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Wisconsin:				Wisconsin—Continued.			
Adams County.....			4	Outagamie County.....	29	3	
Ashland County.....	16			Pepin County.....	8		
Barron County.....	39	1		Pierce County.....	8	25	
Bayfield County.....	23	2		Polk County.....	222	1	
Brown County.....	16	1		Portage County.....	5	5	
Buffalo County.....	6	19		Price County.....	217		
Burnett County.....	4			Racine County.....		3	
Calumet County.....	45			Richland County.....	55	1	4
Chippewa County.....	58	6	1	Rock County.....	16	2	
Clark County.....	36	4		Rusk County.....	1	2	
Columbia County.....	45	7		St. Croix County.....	8		
Crawford County.....	46	8	2	Sauk County.....	18	2	
Dane County.....	3	4		Shawano County.....	118	48	
Dodge County.....	30			Sheboygan County.....	62	8	
Dor County.....			4	Taylor County.....	21	1	
Dunn County.....	20			Trempealeau County.....	152	43	2
Eau Claire County.....	14			Vernon County.....	55	1	13
Fond du Lac County.....	93			Vilas County.....	30		
Forest County.....	26			Walworth County.....	36		
Grant County.....	103	5		Washburn County.....	25	5	
Green County.....	28			Washington County.....	29		
Green Lake County.....	6		3	Waukesha County.....	10	1	
Iowa County.....	23	3		Waukegan County.....	3	5	
Iron County.....	54			Waushara County.....	39	1	1
Jackson County.....	96	3		Winnebago County.....		3	
Jefferson County.....	20	2					
Juneau County.....	11			Total.....	2,475	279	34
Kewaunee County.....	5	3					
La Crosse County.....	27	3		Wyoming:			
Langlade County.....	62			Carbon County.....		11	
Lincoln County.....	11			Crook County.....	45	6	
Maritowoc County.....	41	3		Goshen County.....	5		
Marathon County.....	29			Natrona County.....	2	2	
Marquette County.....	127			Platte County.....	41	2	
Marquette County.....	10			Sheridan County.....	30	1	
Milwaukee County.....	13	4		Washakie County.....	1		
Monroe County.....	35						
Oconto County.....	8	19		Total.....	124	22	
Oneida County.....	79	22					

LEPROSY.

Arkansas:				Hawaii—Continued.			
Pulaski County—				Kauai—			
Little Rock.....		1		Koloa.....	1		1
				Lihue.....			
California:				Maul—			
Kern County—				Lahaina.....	1	3	
Bakersfield.....		1		Oahu—			
Riverside County—		1		Honolulu.....	1	2	3
Corona.....				Koolauloa.....		1	
Sacramento County—				Walaloa.....		1	
Sacramento.....	1			Total.....	3	11	6
San Francisco County—							
San Francisco.....		1	11	Louisiana:			
Santa Barbara County—				Jefferson Davis Parish—			
Los Alamos.....		1		Elton.....	1		
Total.....	1	4	11	LaFourche Parish—		1	
				Cut Off.....			
Florida:				Orleans Parish—	2	2	
Hillsborough County—				New Orleans.....			
Tampa.....		1		Total.....	3	3	
Hawaii:				Minnesota:			
Hawaii—				Olmsted County—			
Hilo.....		1	2	Rochester.....		1	
Kau.....		1					
South Kona.....		2		Mississippi:			
				Virginia—			
				Henrico County—			
				Richmond.....	1		

¹In transit. Deported to China.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

MALARIA.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama:				California:			
Baldwin County.....	2	5	5	Butte County.....			1
Bullock County.....		1	1	Colusa County.....		3	
Calhoun County.....	1	4	2	Modoc County.....			2
Chambers County.....		1		Nevada County.....		1	
Choctaw County.....		2	3	Sacramento County.....		1	1
Colbert County.....		3	8	San Francisco County.....	2	4	1
Crenshaw County.....			2	San Joaquin County.....		1	
Dale County.....			5	Santa Clara County.....		1	
Dallas County.....	3	3	4	Solano County.....			1
Escambia County.....	2			Stanislaus County.....		2	
Etowah County.....	3			Tehama County.....			1
Hale County.....		2	2	Tulare County.....	1		
Henry County.....			1	Total.....	3	13	7
Houston County.....	4	20	39				
Jackson County.....			1	Connecticut:			
Jefferson County.....	1			Fairfield County.....		1	1
Lauderdale County.....		4	2	Hartford County.....		1	3
Lawrence County.....			18	New London County.....	1		
Macon County.....		1		Total.....	1	2	4
Marengo County.....	1	5	2				
Mobile County.....		4	2	Delaware:			
Montgomery County.....	1	1	3	Sussex County.....	4	1	5
Pike County.....	17	1	12				
Shelby County.....		1		Florida:			
Sumter County.....	3	2	4	Alachua County.....			1
Tallahassee County.....			1	Calhoun County.....		1	
Tuscaloosa County.....	2	13		Citrus County.....		3	
Walker County.....		3		Clay County.....	1		
Washington County.....			8	Columbia County.....			7
Wilcox County.....		1	2	Duval County.....			
Total.....	40	78	127	Jacksonville.....	7	17	18
				Scattering.....	1		2
Arkansas:				Escambia County.....	1	1	
Bradley County.....	23	16	38	Gadsden County.....		2	4
Calhoun County.....		3	1	Hernando County.....			4
Clay County.....			4	Hillsborough County—			
Cleveland County.....	2	3	4	Tampa.....	18	17	37
Columbia County.....			2	Scattering.....	5	8	4
Desha County.....			7	Holmes County.....		2	
Drew County.....	7	24	25	Jackson County.....	1	7	1
Faulkner County.....	3		13	Jefferson County.....			1
Franklin County.....	3	6	9	Lee County.....	1	2	
Greene County.....		5	8	Leon County.....	2	3	5
Hempstead County.....	16	8	15	Levy County.....			3
Hot Spring County.....		6	21	Madison County.....		1	
Howard County.....			1	Marion County.....			12
Izard County.....	2	2	3	Nassau County.....			1
Jackson County.....			14	Orange County.....			1
Lafayette County.....	3	6	6	Pasco County.....		1	
Lawrence County.....		4		Pinellas County.....	1		
Logan County.....		8		Polk County.....			2
Lonek County.....	2			Putnam County.....	2	2	1
Miller County.....	1	15	26	St. Johns County.....		2	4
Mississippi County.....			10	St. Lucie County.....			3
Monroe County.....			3	Seminole County.....		2	
Newton County.....		1		Suwanee County.....		1	1
Osachita County.....	15	16	24	Volusia County.....		1	
Pike County.....	9	10	14	Washington County.....			1
Poinsett County.....		1	5	Total.....	39	73	113
Pope County.....	2	10	20				
Prairie County.....		1		Illinois:			
Pulaski County.....	8	18	27	Alexander County.....	2		
St. Francis County.....	7	6	25	Christian County.....			1
Saline County.....	2	44	62	Clinton County.....	2		
Scott County.....			16	Cook County.....		2	1
Sebastian County.....	5	13	13	Franklin County.....	5	3	9
Sharp County.....	8	10	10	Gallatin County.....	1	5	
Union County.....	10	20	26	Greene County.....			1
Washington County.....			1	Iroquois County.....			1
White County.....	4			Jackson County.....			1
Total.....	132	256	453				

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Illinois—Continued.				Maryland—Continued.			
Jasper County.....			1	Calvert County.....			1
Johnson County.....	1		1	Charles County.....		1	1
Kane County.....		1		Kent County.....			1
Kendall County.....	1			Wicomico County—			
Lake County.....		1	2	Salisbury.....	7	14	10
Lawrence County.....		2		Scattering.....	2	1	1
McLean County.....	6	2	4	Worcester County.....		1	
Marion County.....	1			Total.....	13	18	16
Mason County.....			2				
Randolph County.....			11	Massachusetts:			
St. Clair County.....			2	Bristol County.....		1	
Saline County.....			2	Hampden County.....			1
Shelby County.....			1	Middlesex County.....		1	1
Union County.....	3	30	10	Suffolk County.....		2	3
Wabash County.....	5			Total.....		4	5
Will County.....			4				
Williamson County.....		1		Mississippi:			
Southern Illinois Peniten- tiary.....	2	3		Adams County.....	20	40	31
Total.....	29	50	54	Alcorn County.....	47	75	98
Kansas:				Amite County.....	39	51	35
Cherokee County.....			1	Attala County.....	57	85	131
Crawford County.....			2	Benton County.....	8	12	21
Labette County.....			1	Bolivar County.....	471	622	1,355
Sedgwick County.....		1		Calhoun County.....	7	34	69
Shawnee County.....			1	Carroll County.....	31	58	112
Total.....		1	5	Chickasaw County.....	44	49	102
Louisiana:				Choctaw County.....	17	16	55
Assumption Parish.....	2	1		Claiborne County.....	33	50	82
Avoynes Parish.....	4	5	7	Clarke County.....	45	74	82
Beauregard Parish.....	1			Clay County.....	31	50	46
Bienville Parish.....	1			Coahoma County.....	176	225	
Caddo Parish.....		1	2	Copiah County.....	92	98	133
Calcasieu Parish.....			5	Covington County.....	45	55	73
Catahoula Parish.....		1	2	De Soto County.....		67	59
De Soto Parish.....			6	Forrest County.....	62	42	77
East Baton Rouge Parish.....		1	2	Franklin County.....	41	50	49
East Carroll Parish.....	1	12	34	George County.....	14	26	51
East Feliciana Parish.....	3	3		Greene County.....	38	87	81
Franklin Parish.....	1			Grenada County.....	25	26	38
Grant Parish.....	1	16	12	Hancock County.....	44	47	60
Iberia Parish.....	2			Harrison County.....	10	15	9
Iberville Parish.....		22	33	Hinds County.....	119	172	230
Jackson Parish.....	1			Holmes County.....	196	236	353
Jefferson Davis Parish.....			2	Humphreys County.....	116	165	279
Lafayette Parish.....		17		Issaquena County.....	24		27
Lafourche Parish.....	1			Itawamba County.....	21	13	40
La Salle Parish.....			37	Jackson County.....	10	28	36
Natchitoches Parish.....	19	7		Jasper County.....	64	74	98
Orleans Parish.....	1	4	2	Jefferson County.....	32	54	77
Pointe Coupee Parish.....		1		Jefferson Davis County.....	36	66	97
Rapides Parish.....	3		7	Jones County.....	50	34	60
Red River Parish.....	1	3	3	Kemper County.....	31	41	38
St. Charles Parish.....		1		Lafayette County.....	49	90	189
St. Landry Parish.....			2	Lamar County.....	24	12	37
St. Martin Parish.....		1		Lauderdale County.....	49	64	92
St. Mary Parish.....			5	Lawrence County.....	36	86	85
St. Tammany Parish.....		1	3	Leake County.....	54	63	104
Terrebonne Parish.....			2	Lee County.....	75	187	239
Union Parish.....		1		Leflore County.....	258	405	795
Vermilion Parish.....	4	6	7	Lincoln County.....	22	40	78
Vernon Parish.....	3		1	Lowndes County.....	46	68	138
Washington Parish.....	2	2	2	Madison County.....	19	42	60
Webster Parish.....			1	Marion County.....	42	62	102
West Feliciana Parish.....		1	1	Marshall County.....	22	38	90
Total.....	48	107	178	Monroe County.....	142	256	299
Maryland:				Montgomery County.....	22	35	60
Anne Arundel County.....	1			Neshoba County.....	25	36	63
Baltimore City.....	3	1	2	Newton County.....	13	14	16
				Noxubee County.....	34	30	50
				Oktibbeha County.....	60	248	137
				Panola County.....	54	163	171
				Pearl River County.....	31	44	39
				Perry County.....	18	37	22

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Mississippi—Continued.				South Carolina—Continued.			
Pike County.....	31	44	69	Lexington County.....		3	
Pontotoc County.....	96	94	92	Marion County.....	29		
Prentiss County.....	21	30	63	Spartanburg County.....		2	
Quitman County.....	186	228	253	Union County.....			5
Rankin County.....	25	58	22	Total.....	30	6	5
Scott County.....	55	72	89	Virginia:			
Sharkey County.....	45	116	167	Accomac County.....	5	17	20
Simpson County.....	30	60	65	Alexandria City.....		1	
Smith County.....	21	13	28	Appomattox County.....	1		
Stone County.....	10	21	17	Augusta County.....	3		
Sunflower County.....	289	401	706	Brunswick County.....	6	14	11
Tallahatchie County.....	66	147	248	Buckingham County.....			2
Tate County.....	150	162	212	Caroline County.....		4	4
Tippah County.....	52	59	136	Charles City County.....		3	
Tishomingo County.....	63	48	98	Charlotte County.....		6	7
Tunica County.....	98	310	190	Clarke County.....	2		
Union County.....	24	61	91	Cumberland County.....		2	
Walsh County.....	4	14	13	Dinwiddie County.....	1		10
Warren County.....	134	115	235	Elizabeth City County.....			3
Washington County.....	108	191	322	Essex County.....		3	
Wayne County.....	24	25	32	Fauquier County.....	1		
Webster County.....	31	42	48	Franklin County.....		1	4
Wilkinson County.....	17	23	36	Frederick County.....			1
Winston County.....	50	74	84	Giles County.....	1		
Yalobusha County.....	32	54	83	Gloucester County.....	1		
Yazoo County.....	150	216	302	Goochland County.....		3	5
Total.....	5,031	7,516	10,745	Greensville County.....	10	4	10
New Jersey:				Halifax County.....	1	5	8
Bergen County.....		1	1	Hanover County.....	2	3	13
Essex County.....	1	2	4	Henrico County.....	6	7	2
Mercer County.....			2	Henry County.....		1	2
Middlesex County.....			3	Isle of Wight County.....	16	26	25
Monmouth County.....	1			James City County.....	4	12	21
Passaic County.....			1	King and Queen County.....	1	2	
Somerset County.....	1			King George County.....	2		
Sussex County.....	2	1		King William County.....		2	
Union County.....	1			Lancaster County.....			1
Total.....	7	4	11	Lee County.....			2
New Mexico:				Loudoun County.....			3
Chaves County.....			1	Louisa County.....			2
Colfax County.....			1	Lunenburg County.....		5	4
Rio Arriba County.....		1	2	Mecklenburg County.....			10
Santa Fe County.....		2	5	Middlesex County.....		8	10
Torrance County.....		1		Nansemond County.....	6	4	11
Total.....		4	9	Nelson County.....	1		
Ohio:				New Kent County.....		3	
Cuyahoga County.....		1		Northampton County.....			27
Oklahoma:				Northumberland County.....	4	10	10
McIntosh County.....		2		Notkowsky County.....		2	
Mayes County.....	1	6	4	Orange County.....			1
Total.....	1	8	4	Pittsylvania County.....	3	8	17
Pennsylvania:				Powhatan County.....	4	8	
Delaware County.....	1			Prince Edward County.....		1	6
Philadelphia County.....		2		Prince George County.....		1	2
Total.....	1	2		Princess Anne County.....	6	7	7
Rhode Island:				Prince William County.....	4	1	6
Kent County.....		2		Rockbridge County.....		2	
Providence County.....	1			Russell County.....			1
Total.....	1	2		Scott County.....	1		
South Carolina:				Shenandoah County.....	2		1
Charleston County.....	1			Southampton County.....	5	23	4
Fairfield County.....		1		Spotsylvania County.....			6
				Stafford County.....	2		2
				Surry County.....	3	4	9
				Sussex County.....	4	1	
				Warwick County.....	11	16	15
				Washington County.....		1	1
				Westmoreland County.....	2		3
				York County.....	2	3	15
				Total.....	123	224	327

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

PELLAGRA.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama:				Connecticut:			
Autauga County		2		Fairfield County		1	
Baldwin County	1		2	District of Columbia		1	
Butler County		1					
Calhoun County		1		Florida:			
Cleburne County			1	Alachua County		1	
Clay County		1		Duval County	1		
Colbert County	1	2	6	Gadsden County	4	1	3
Dale County		1	1	Hillsborough County	1		1
Dallas County	1	1	4	Holmes County			1
DeKalb County		3	1	Jackson County	2	2	
Elmore County			1	Madison County			1
Franklin County		2		Manatee County	1		2
Jackson County		2	10	Okaloosa County	1		
Jefferson County	2	7	2	Palm Beach County		1	
Lamar County		2		Pasco County		1	
Lauderdale County			2	Pinellas County		1	
Lawrence County			4	Putnam County	1	1	
Lee County		2	1	Santa Rosa County		1	
Macon County			2	Seminole County			1
Madison County		2	3	Volusia County		1	
Marengo County	1		5	Walton County			3
Mobile County	2	2		Total	11	11	12
Monroe County			3				
Montgomery County	1		1	Illinois:			
Sumter County			3	Cook County		1	3
Washington County	1		1	Cumberland County			1
Wilcox County		3		Franklin County			2
Total	10	33	53	Rock Island County			1
				Chicago State Hospital		1	
Arkansas:				Total		2	7
Ashley County	1						
Bradley County			2	Kansas:			
Calhoun County		4		Butler County	1		
Drew County	1			Labette County			1
Faulkner County			5	Total	1		1
Greene County			1				
Hempstead County	2	1	2	Louisiana:			
Izard County			1	Allen Parish	1		
Lawrence County			1	Caddo Parish	2	1	3
Logan County			6	Claiborne Parish			1
Miller County		1	3	Concordia Parish			1
Mississippi County		11		De Soto Parish	1		2
Newton County		2	8	East Baton Rouge Parish			2
Onachita County	6	7	2	East Carroll Parish		3	1
Pike County	1	2	9	Franklin Parish	1		4
Poinsett County	1	2	4	Grant Parish			1
Polk County	6	1	1	Jackson Parish		1	
Pulaski County	3	2	7	Lincoln Parish		1	
St. Francis County	1		1	Morehouse Parish	2		
Saline County			3	Orleans Parish	3	3	4
Scott County	2	1	2	Ouachita Parish	1	1	
Sevier County		1		Rapides Parish		3	2
Sharp County		1	1	Red River Parish			1
Union County	1		1	Richland Parish		4	
Washington County		1	1	St. Landry Parish	1		
White County	2	2		St. Mary Parish		1	
Woodruff County			1	Vernon Parish		1	
Total	27	39	62	Washington Parish	3	1	2
				Webster Parish			1
California:				Winn Parish		1	
Los Angeles County	2		2	Total	15	20	25
Napa County			1				
Riverside County		2		Maine:			
Sacramento County	1			Aroostook County	1		
San Diego County	1			Maryland:			
San Joaquin County		1			1		1
Total	4	3	3				
				Massachusetts:			
Colorado:				Essex County		2	
Frowers County			1	Norfolk County	1		
				Suffolk County	1		
				Total	2	2	

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

PELLAGRA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Mississippi:				Mississippi—Continued.			
Adams County.....	3	2	2	Yalobusha County.....	1	1	3
Alcorn County.....	15	6	2	Yazoo County.....	8	11	36
Amite County.....	2	4	1	Total.....	612	1,087	1,329
Attala County.....	2	1	4				
Benton County.....			1	New Mexico:			
Bolivar County.....	118	169	341	Eddy County.....		1	
Calhoun County.....			1	Oklahoma:			
Carroll County.....			2	Custer County.....	1		
Chickasaw County.....	3	4	5	Haskell County.....		1	
Claiborne County.....	1	4	3	McIntosh County.....		1	
Clarke County.....	1	2	1	Mayes County.....		1	
Clay County.....	7	3	2	Total.....	1	3	
Coahoma County.....	55	88		Pennsylvania:			
Copiah County.....	19	13	18	Payette County.....			1
Covington County.....	1	3	2	Mercer County.....	1		
De Soto County.....	6	11	7	Total.....	1		1
Forrest County.....	13	3	15				
George County.....	2	2	4	South Carolina:			
Greene County.....	2	5	6	Cherokee County.....		2	
Hancock County.....	1		1	Marion County.....	1		
Harrison County.....		3	1	Newberry County.....			1
Hinds County.....	18	17	21	Oconee County.....		5	
Holmes County.....	11	14	37	Spartanburg County.....	3	1	1
Humphreys County.....	23	45	62	Union County.....	1		1
Itawamba County.....			5	Total.....	5	8	3
Jackson County.....	1	3	6				
Jasper County.....	3	5	2	Virginia:			
Jefferson County.....	3	9	5	Albemarle County.....	1		1
Jefferson Davis County.....	5	8	4	Amherst County.....		3	
Jones County.....	24	3	4	Augusta County.....			1
Kemper County.....	1	2	8	Bedford County.....			3
Lafayette County.....	1	7	3	Brunswick County.....	1	3	1
Lamar County.....	1	2	4	Buchanan County.....		1	
Lauderdale County.....	2	5	13	Buckingham County.....	1		
Lawrence County.....	6	8	10	Campbell County.....			1
Leake County.....		2	4	Charlotte County.....			1
Lee County.....	5	5	4	Dickenson County.....	1		1
Leisure County.....		59	62	Dinwiddie County.....			2
Lincoln County.....	7	3	0	Fairfax County.....		1	
Lowndes County.....	1		6	Furuvanna County.....		1	1
Madison County.....	2	9	16	Giles County.....		1	
Marion County.....	9	15	1	Greene County.....	1		
Marshall County.....	6	9	8	Greensville County.....		1	
Monroe County.....	11	14	16	Halifax County.....		1	5
Montgomery County.....	2	2	3	Hanover County.....	1		
Newton County.....		2	2	Henry County.....		2	2
Noxubee County.....	5	5	2	James City County.....	3		
Oktibbeha County.....	2	13	3	Lee County.....	1		
Panola County.....	2	4	7	Lunenburg County.....	1		
Pearl River County.....	1		1	Madison County.....	1		
Pike County.....	3	3		Mecklenburg County.....			2
Pontotoc County.....	1		3	Nansemond County.....			1
Prentiss County.....	1	1		Nelson County.....		1	
Quitman County.....	35	46	73	New Kent County.....		1	
Rankin County.....		1	2	Page County.....	1		2
Scott County.....				Patrick County.....			2
Sharkey County.....	5	25	22	Pittsylvania County.....			
Simpson County.....	1	5	3	Powhatan County.....		1	
Stone County.....		1		Prince Edward County.....	2		
Sunflower County.....	65	128	199	Roanoke County.....		1	
Tallahatchie County.....	25	52	81	Russell County.....		2	2
Tate County.....	1	8	14	Smyth County.....		1	1
Tippah County.....	5			Southampton County.....		1	1
Tishomingo County.....	1	4	3	Spotsylvania County.....			
Tunica County.....	17	68	64	Washington County.....	1		1
Union County.....	2	4	2	Westmoreland County.....			2
Walshall County.....	2	5	4	Wise County.....	1	1	1
Warren County.....	5	4		Total.....	17	23	35
Washington County.....	24	72	82	West Virginia:			
Wayne County.....	3	1		Boone County.....			1
Webster County.....	2	2	4				
Wilkinson County.....	1	2					
Winston County.....	1						

STATE REPORTS FOR APRIL, MAY, AND JUNE 1922—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS).

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama:				Maine:			
Clarke County.....			1	Kennebec County.....	1		
Jefferson County.....			1				
Perry County.....	1			Maryland:			
Walker County.....			1	Baltimore City.....			2
Total.....	1		3	Prince Georges County.....		1	
Arkansas:				St. Marys County.....		1	
Sebastian County.....		1		Total.....		2	2
California:				Massachusetts:			
Kern County.....			1	Essex County.....	1		1
Los Angeles County.....	2	2	6	Middlesex County.....			3
San Bernardino County.....		1		Suffolk County.....	2		
San Diego County.....		1		Total.....	3		4
San Joaquin County.....	1						
Tulare County.....			1	Michigan:			
Total.....	3	4	8	Kalamazoo County.....	1		
Colorado:				Kent County.....	1		
Phillips County.....		1		Oakland County.....	1		
Connecticut:				Wayne County.....	1	1	
Hartford County.....		1		Total.....	4	1	(1)
New Haven County.....		1		Minnesota:			
Windham County.....		1		Stearns County.....	1		
Total.....		3		Mississippi:			
Florida:				Alcorn County.....		1	
Duval County.....		2		Clarke County.....			1
Orange County.....			1	Harrison County.....			1
Suwanee County.....	1			Holmes County.....	1		
Total.....	1	2	1	Lawrence County.....		1	
Illinois:				Noxubee County.....			1
Bureau County.....		1		Total.....	1	2	3
Champaign County.....			1	Montana:			
Cook County.....	2	3	2	Wheatland County.....		1	
Douglas County.....		1		Nebraska:			
Henry County.....		1		Red Willow County.....		1	1
La Salle County.....			1	New Jersey:			
McLean County.....		1	1	Camden County.....	1		
Sangamon County.....		1		Essex County.....	3		3
Schuyler County.....			3	Ocean County.....		1	
Total.....	2	7	8	Passaic County.....		2	
Indiana:				Total.....	4	3	3
Allen County.....		1		New Mexico:			
Jasper County.....	1			Valencia County.....			1
Jennings County.....			1	New York:			
Total.....	1	1	1	Cortland County.....		1	
Iowa:				Dutchess County.....	1		
Muscatine County.....		1		Erie County.....		1	
Webster County.....		1		Franklin County.....			1
Total.....		2		Lewis County.....		1	
Kansas:				Montgomery County.....		1	
Jewell County.....			1	Oneida County.....	1		
Reno County.....		1		Otsego County.....	1		
Total.....		1	1	Rensselaer County.....	1		
Louisiana:				St. Lawrence County.....		1	
East Carroll Parish.....			1	Westchester County.....	1	2	1
Orleans Parish.....	1		1	New York City.....	3	8	2
St. Charles Parish.....		1		Total.....	8	15	4
St. Mary Parish.....			1	North Carolina:			
Winn Parish.....		2	1	Graham County.....		1	2
Total.....	1	3	4	Greene County.....			1
				Yancey County.....		1	
				Total.....		2	3

1 Report for June not received at time of going to press.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Ohio:				Vermont:			
Auglaize County.....		1	1	Essex County.....		1	
Belmont County.....			1				
Butler County.....	1			Virginia:			
Lorain County.....		1	1	Augusta County.....			1
Vinton County.....	1			Campbell County.....			1
Wood County.....			1	Clarke County.....			1
Total.....	2	2	4	Dinwiddie County.....			1
				Floyd County.....	1		
Pennsylvania:				Hendoe County.....		1	
Allegheny County.....	1			Isle of Wight County.....		1	
Butler County.....		1		Mecklenburg County.....			3
Cambria County.....	1			Nansemond County.....		1	1
Fayette County.....			1	Norfolk County.....		1	
Philadelphia County.....	1	1		Roanoke County.....	1		
Somerset County.....		1		Scott County.....	1		
Union County.....		1		Washington County.....	1		
Venango County.....	1			Wythe County.....		1	1
Total.....	4	4	1	Total.....	4	4	9
Rhode Island:				Washington:			
Kent County.....			1	Chelan County.....	1		
Providence County.....			4	King County.....		1	
Total.....			5	Snohomish County.....			1
				Total.....	1	1	1
South Carolina:							
Laudens County.....			1	West Virginia:			
Richland County.....		1	1	Monongalia County.....		2	
Total.....		1	2				
				Wisconsin:			
South Dakota:				Calumet County.....	1		
Grant County.....		1	1	Grant County.....		1	
				Total.....	1	1	

ROCKY MOUNTAIN SPOTTED OR TICK FEVER.

California:				Oregon:			
Lassen County.....	1			Baker County.....		1	
Modoc County.....			1	Crook County.....	1		
Total.....	1		1	Grant County.....		4	
				Jefferson County.....	3		
Colorado:				Malheur County.....			1
Boulder County.....		1		Total.....	4	5	1
Idaho:				South Dakota:			
Ada County.....	1	1		Butte County.....		1	
Bingham County.....		2					
Caribou County.....		1		Washington:			
Total.....	1	4	1	Grant County.....		1	
				Lincoln County.....		2	
Montana:				Spokane County.....		1	
Big Horn County.....		1		Total.....		4	
Blaine County.....			1				
Carbon County.....		1	1	Wyoming:			
Custer County.....				Big Horn County.....	1	6	1
Dawson County.....	1			Carbon County.....		1	
Fallon County.....			2	Fremont County.....	1	3	5
Fergus County.....	1	2	2	Hot Springs County.....		1	2
Garfield County.....		3	2	Johnson County.....			3
Golden Valley County.....	1	1		Lincoln County.....		1	4
Jefferson County.....		1		Natrona County.....	1	2	6
Missoula County.....		3		Niobrara County.....		1	
Musselshell County.....	1	3	2	Park County.....		9	
Rosebud County.....		2	1	Sheridan County.....		2	5
Treasure County.....		1		Sweetwater County.....			5
Yellowstone County.....	1	3	4	Uinta County.....		1	2
Total.....	5	22	15	Weston County.....		1	1
				Total.....	4	28	34

1 Deaths.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SMALLPOX.

Place.	New cases re- ported.			Place.	New cases re- ported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama:				Colorado:			
Calhoun County.....	3			Adams County.....	2		
Dallas County.....	9	6	2	Arapahoe County.....	3	1	1
Escambia County.....		3	2	Boulder County.....	4		
Houston County.....	10	5	1	Cheyenne County.....		2	
Jefferson County.....	1	3	7	Delta County.....	1		
Macon County.....	1			Denver County.....	45	29	9
Madison County.....	1	28	10	Elbert County.....	1		
Marengo County.....	1			Kit Carson County.....	4	3	
Mobile County.....	33	32	9	Las Animas County.....	1		
Montgomery County.....	3			Logan County.....		1	
Pike County.....		1		Montrose County.....			4
Randolph County.....	3			Morgan County.....	3		2
Talladega County.....		2		Otero County.....	4	28	
Tuscaloosa County.....		3		Pueblo County.....	1		
Washington County.....			4	Rio Grande County.....	3		
Total.....	65	93	35	Weld County.....	2	1	
				Yuma County.....	2	6	
Arkansas:				Total.....	76	71	16
Clay County.....			2	Connecticut:			
Conway County.....	10	2		Fairfield County—			
Crawford County.....			1	Bridgeport.....	18	18	16
Drew County.....			2	Stratford.....	5	19	5
Franklin County.....		1		Westport.....	22	1	
Hot Spring County.....	3			Scattering.....	11	4	1
Logan County.....		6		Hartford County.....	4		
Miller County.....		2	2	Litchfield County.....	1	1	
Mississippi County.....		1	3	New Haven County.....	9	1	1
Poinsett County.....			1	New London County.....		10	2
Pope County.....		2	5	Total.....	70	54	25
Pulaski County.....			1	District of Columbia.....	7	10	1
Saline County.....		1		Florida:			
Union County.....	3	4	1	Alachua County.....	3	5	1
White County.....	5			Calhoun County.....		1	1
Total.....	21	19	18	Citrus County.....	7	1	
California:				Dade County.....	2	2	
Alameda County—				Duval County.....	4	2	9
Hayward.....	20	19	4	Gadsden County.....	1	1	2
Livermore.....	1		53	Hardee County.....			2
Scattering.....	37	15	13	Highlands County.....		6	
Butte County.....		2	1	Hillsborough County.....	2		
Calaveras County.....		10		Jefferson County.....	2		
Contra Costa County.....	1	1		Lake County.....			4
Fresno County.....	1	3	1	Leon County.....		1	
Imperial County.....	1	1	4	Levy County.....	1		
Inyo County.....				Manatee County.....	1		
Kern County.....	15	24	7	Marion County.....	1	3	
Los Angeles County.....	13	10	11	Monroe County.....	9		1
Mariposa County.....			1	Osceola County.....		3	2
Merced County.....	1	3		Pasco County.....			4
Napa County.....	1			Pinellas County.....	2	1	1
Orange County.....		2	8	Polk County.....	3	2	
Riverside County.....	1			Putnam County.....	2		
Sacramento County.....	1	3	4	St. Johns County.....	1	3	2
San Benito County.....	2		8	Sumter County.....			2
San Diego County.....	1	4	2	Suwanee County.....		1	
San Francisco County.....	5	8	2	Total.....	41	32	31
San Joaquin County.....	8	11	5	Hawaii:			
San Luis Obispo County.....	1	3		Maul.....			1
Santa Barbara County.....		1		Oahu.....	1		
Santa Clara County—				Total.....	1		1
San Jose.....	20	24	22	Idaho:			
Scattering.....	20	20	2	Ada County.....			1
Santa Cruz County.....	4	3		Bannock County.....	15	2	2
Siskiyou County.....	1			Bonner County.....	5		
Sonoma County.....		1		Caribou County.....	2	1	
Stanislaus County.....	10	7	1	Kootenai County.....		10	19
Tehama County.....			1	Nes Perce County.....	1	1	
Tulare County.....				Owyhee County.....			
Exeter.....			18	Total.....	23	14	22
Scattering.....	9	1	3				
Total.....	174	176	171				

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Illinois:				Indiana—Continued.			
Adams County.....			1	Rush County.....		1	
Bureau County.....	1			St. Joseph County.....		2	1
Carroll County.....		1		Scott County.....			2
Campaign County.....	2	1		Shelby County.....	1	2	
Clinton County.....	1	1		Steuben County.....	1		
Coles County.....			1	Tippecanoe County.....	1		
Cook County.....	12	6	1	Warren County.....		1	
De Kalb County.....			1				
De Witt County.....	1	1		Total.....	138	147	119
Douglas County.....		4					
Du Page County.....		1		Iowa:			
Fayette County.....	1	8		Adams County.....		6	
Franklin County.....	2			Appanoose County.....		6	
Fulton County.....	2	9		Audubon County.....	3	2	
Hancock County.....	3			Blackhawk County.....	2		
Henry County.....	2	1		Boone County.....	2	2	
Iroquois County.....	2			Bremer County.....	1		
Jackson County.....	16	2	10	Calhoun County.....	1	3	
Jefferson County.....			1	Carroll County.....	2	5	1
Johnson County.....	3	13		Cerro Gordo County.....		4	14
Kane County.....	4	1		Clayton County.....		2	
Lake County.....	2	2	3	Clinton County.....	3	3	
La Salle County.....			1	Des Moines County.....	4	1	5
Lee County.....	7	40	2	Franklin County.....	1	12	5
Logan County.....	1	13	2	Jackson County.....	1		
McLean County.....	1			Keokuk County.....			1
Macoupin County.....		1		Kossuth County.....	3	1	1
Madison County.....		4	8	Linn County.....	3	1	1
Marion County.....	2	7		Lucas County.....	2		
Mason County.....		1	21	Lyon County.....			1
Mercer County.....		1	4	Mills County.....		1	
Monroe County.....	71	58	11	Muscatine County.....	10	2	3
Peoria County.....				Pocahontas County.....		1	1
Perry County.....		1		Polk County.....	11	13	7
Piatt County.....				Pottawattamie County.....	5	8	2
Rock Island County.....			3	Poweshiek County.....	1		1
St. Clair County.....				Scott County.....		1	
Saline County.....	3	3	16	Story County.....		1	
Sangamon County.....			6	Warren County.....		1	1
Shelby County.....		2		Woodbury County.....		1	
Tazewell County.....	43	36	8				
Union County.....			9	Total.....	56	76	44
Vermilion County.....	1						
Washington County.....	2	4		Kansas:			
Whiteside County.....		4		Atchison County.....	2		
Williamson County.....	6	1	2	Barton County.....	2	6	6
Woodford County.....			1	Brown County.....		1	
Total.....	189	232	112	Butler County.....	1	2	
Indiana:				Cherokee County.....			1
Allen County.....		2	6	Crawford County.....	1		
Blackford County.....	10	9	1	Decatur County.....			3
Boone County.....	2	18	30	Dickinson County.....	1		
Clay County.....	2			Douglas County.....		2	
Daviess County.....		7		Ford County.....		1	
DeKalb County.....		3	1	Greenwood County.....		2	11
Delaware County.....	2	6		Harvey County.....	1		
Elkhart County.....	15	23	6	Jewell County.....		1	1
Floyd County.....	6	1		Johnson County.....	1		
Gibson County.....		1		Kiowa County.....	2		
Grant County.....	75	42	29	Leavenworth County.....	7		
Howard County.....		2	2	Lincoln County.....		3	
Huntington County.....	1	3		Lyon County.....		1	
Jackson County.....			4	McPherson County.....	1		
Jasper County.....	1	1		Marshall County.....			1
Jay County.....	1	8	5	Montgomery County—			
Lake County.....	1			Coffeyville.....	2	11	5
Lawrence County.....		4		Ness County.....	1	2	
Madison County.....	1	1	4	Osborne County.....			1
Marion County.....			22	Phillips County.....	1		
Miami County.....	1			Pratt County.....	7	1	
Monroe County.....	5	1		Reno County.....	9	7	9
Montgomery County.....	1		2	Republic County.....		1	
Pike County.....	11	9		Riley County.....		1	
Ripley County.....			4	Russell County.....	1	8	1
				Saline County.....	1		

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Kansas—Continued.				Michigan—Continued.			
Sedgewick County—				Huron County.....	8	1	
Mount Hope.....	19	1	1	Ingham County.....	5	6	
Wichita.....	3	9		Ionia County.....	1	1	2
Shawnee County.....				Jackson County.....	4	14	
Stevens County.....		1		Kent County.....	2		
Thomas County.....			1	Keweenaw County.....	5	1	
Wichita County.....	6			Lake County.....	5	1	
Wilson County.....	2			Lapeer County.....	2		
Wyandotte County.....	5	8	4	Lenawee County.....	1	1	
Total.....	75	70	45	Livingston County.....	5		
Louisiana:				Luce County.....	1		
Allen Parish.....			1	Macomb County.....	3		
Ascension Parish.....			2	Midland County.....	5	17	
Bienville Parish.....	3	1	1	Monroe County.....	9		
Caddo Parish.....	20	33	14	Muskegon County.....	9	3	
Caldwell Parish.....	1			Oakland County.....	3	5	
Caliborne Parish.....	7			Oseola County.....	2	1	
De Soto Parish.....	25	1	1	Presque Isle County.....	2	7	
Franklin Parish.....	3	1	1	Roscommon County.....	2	4	
Iberville Parish.....				St. Clair County.....	2		
Jackson Parish.....		1		Saginaw County.....	2	6	
Jefferson Davis Parish.....				Sanilac County.....	8	5	
La Fourche Parish.....		2		Washtenaw County.....	6	14	
La Salle Parish.....	2	1		Wayne County.....			
Lincoln Parish.....	4	4		Total.....	130	129	(*)
Morehouse Parish.....		1		Minnesota:			
Natchitoches Parish.....			1	Aitkin County.....		1	2
Orleans Parish.....		1		Anoka County.....	2		
Ouachita Parish.....	3		3	Becker County.....	6		
Rapides Parish.....	2		4	Beltrami County.....	1		3
Richland Parish.....	1		1	Benton County.....	1	1	
Sabine Parish.....		2	1	Bigstone County.....			
Tensas Parish.....	8	154		Blue Earth County.....	20		
Webster Parish.....		1		Danville Township.....	2	2	
West Baton Rouge Parish.....		1		Scattering.....			
Winn Parish.....				Carlton County.....			
Total.....	88	103	30	Thompson Township.....		21	2
Maine:				Scattering.....			2
Kennebec County.....	1			Carver County.....		7	
Somerset County.....	1			Cass County.....	2		
Total.....	2			Chisago County.....	1		
Maryland:				Clay County.....	2		
Charles County.....			4	Clearwater County.....	4		
Harford County.....	5			Crow Wing County.....		6	2
Total.....	5		4	Dakota County.....	2	2	1
Massachusetts:				Dodge County.....	1	1	
Worcester County.....			1	Douglas County.....			
Michigan:				Fillmore County.....			1
Alger County.....	1	6		Freeborn County.....			
Allegan County.....	6	7		Albert Lea.....	1	18	5
Alpena County.....		5		Scattering.....	1	3	7
Baraga County.....				Goodhue County.....	4	2	
Berrien County.....	16	2		Grant County.....	2	4	
Branch County.....		1		Hennepin County.....			
Calhoun County.....	3			Minneapolis.....	35	13	9
Clinton County.....	2			Oseo.....	12	1	
Delta County.....		4		Scattering.....	1	2	
Emmet County.....	2	6		Hubbard County.....			3
Genesee County.....		2		Itasca County.....	5	7	
Gogebic County.....	4	4		Jackson County.....		2	4
Grand Traverse County.....	1	1		Kittson County.....		1	
Griatiot County.....	6			Le Sueur County.....			
Hillsdale County.....				Lyon County.....	2		
				McLeod County.....	1		
				Martin County.....		13	7
				Morrison County.....	1	8	
				Murray County.....	4		
				Nobles County.....			1
				Norman County.....	3		

* 40 of these cases occurred prior to May.

* Report for June not received at time of going to press.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Minnesota—Continued.				Montana—Continued.			
Ottertail County.....				Sanders County.....	3		2
Elmo Township.....		3	11	Sheridan County.....			6
Oscar Township.....	1			Wheatland County.....	5	4	2
Pennington County.....		5	1	Yellowstone County.....	3	6	1
Pipestone County.....			2	Total.....	53	47	25
Polk County.....	3	8	1				
Pope County.....	1		1	Nebraska:			
Ramsey County—				Adams County.....	1		
St. Paul.....	56	38	9	Box Butte County.....	1		
Scattering.....	1		1	Brown County.....	1		
Red Lake County.....		2		Buffalo County.....	1		
Rice County.....	9	10	1	Burt County.....	1		
St. Louis County.....	5	17	10	Butler County.....			2
Sherburne County.....	1	2		Clay County.....	1		
Sibley County.....		1		Cuming County.....	1		
Stearns County.....		2	1	Custer County.....	1		
Steele County.....	5	1		Dodge County.....		1	5
Todd County.....		1		Douglas County.....	3	3	3
Wadena County—				Gage County.....	1		1
Sebekka.....	12			Hall County.....		1	
Menahga.....		2		Hamilton County.....	1		
Waseca County.....	1			Kearney County.....			2
Washington County.....	1			Lancaster County.....	10	6	2
Winona County.....	1			Morrick County.....	2	1	
Wright County—				Nemaha County.....	2		
South Haven.....	2	18		Pawnee County.....		3	
Scattering.....	16	8	2	Phelps County.....			1
Yellow Medicine County.....	1	1		Saline County.....		1	
Total.....	232	238	80	Sarpy County.....			2
				Scotts Bluff County.....	13	21	
Mississippi:				Seward County.....	1	1	
Alcorn County.....	2	1		Sioux County.....		7	
Bolivar County.....	8			Thayer County.....		1	
Carroll County.....		1		Total.....	41	46	18
Chickasaw County.....							
Claborn County.....		8		New Jersey:			
Copiah County.....	2	1		Hudson County.....		1	
Forrest County.....	1			Mercer County.....		1	
Franklin County.....	7			Total.....		2	
Hinds County.....	1	1					
Holmes County.....		3	4	New Mexico:			
Jackson County.....			1	Chaves County.....	1	2	
Jefferson County.....		1		Curry County.....	10	5	
Lauderdale County.....	3	2	3	Roosevelt County.....	1		
Leake County.....	4	3		San Juan County.....		2	
Lee County.....	4		1	Santa Fe County.....	4	2	
Leflore County.....		1	4	Socorro County.....	1		
Monroe County.....	2			Total.....	17	11	
Pontotoc County.....		1					
Sharkey County.....		4	3	New York:			
Tallahatchie County.....		1		Chautauqua County.....		1	
Union County.....	1			Franklin County.....		1	
Warren County.....	9	2	1	Niagara County.....			
Washington County.....	1	1		Niagara Falls.....	1	18	54
Wayne County.....	66			Oneida County.....			1
Total.....	111	32	17	St. Lawrence County.....	5		
				New York City.....	1		2
Montana:				Total.....	7	20	57
Carbon County.....		1					
Cascade County—				North Carolina:			
Great Falls.....	11	10		Alexander County.....	2	3	
Scattering.....	3	8	2	Alleghany County.....		1	
Chouteau County.....	2			Buncombe County.....			2
Daniels County.....	6	3	2	Cabarrus County.....	16	15	6
Flathead County.....		2		Caldwell County.....	6		
Gallatin County.....	1			Caswell County.....	1		
Golden Valley County.....		1	2	Chatham County.....	1		
Judith Basin County.....	6			Columbus County.....	2		
Lewis and Clark County.....	6	2	1	Cumberland County.....			1
Missoula County.....	2	1		Davidson County.....		2	3
Park County.....	1	1					
Phillips County.....	1	1	7				
Roosevelt County.....	3	7					

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SMALL-POX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
North Carolina—Continued.				Ohio—Continued.			
Davie County.....	3	•		Darke County.....	3	2	
Durham County.....	25	13	19	Erie County.....	18	25	2
Edgecombe County.....	3	2	1	Franklin County.....	1	13	4
Forsyth County.....	6	6		Greene County.....		2	1
Franklin County.....	15	24	21	Guernsey County.....		4	1
Gaston County.....	3	1		Hamilton County.....	10	4	1
Greene County.....	4	2	4	Hocking County.....	1		
Guilford County.....	2	2	2	Huron County.....	3	1	
Halifax County.....		1		Jackson County.....			2
Iredell County.....	1	2		Jefferson County.....	7		
Johnston County.....		3	6	Lawrence County.....	5	4	7
Madison County.....	4			Lorain County.....		1	1
Martin County.....		1		Lucas County.....	17	17	6
Mecklenburg County.....	5	1	3	Madison County.....	3		2
Nash County.....	6	7	5	Mahoning County.....	7	2	1
New Hanover County.....	1			Marion County.....	1		
Northampton County.....		1		Medina County.....		1	
Orange County.....	4	1	2	Miami County.....	12		
Person County.....		1		Montgomery County.....	21	6	2
Pitt County.....	1	2	3	Muskingum County.....	1		
Robeson County.....	1			Ottawa County.....	17	12	5
Rockingham County.....	4	3	5	Paulding County.....	6	12	2
Rowan County.....		2	4	Pike County.....		1	
Sampson County.....	1			Portage County.....		1	4
Scotland County.....	3			Preble County.....	10	1	
Stanly County.....	5			Putnam County.....	8		
Union County.....		15	12	Richland County.....	1	1	
Wake County.....			3	Ross County.....	4	5	1
Wayne County.....	2	2		Sandusky County.....	18	2	2
Wilkes County.....			1	Scioto County.....	4		
Wilson County.....	5	21	1	Seneca County.....	3	2	1
Yadkin County.....	1	2	1	Stark County.....	29	29	11
Yancey County.....		3		Summit County.....	2		
Total.....	133	139	106	Trumbull County.....		2	
North Dakota:				Tuscarawas County.....	34	40	19
Barnes County.....	3			Union County.....			5
Benson County.....		18	3	Van Wert County.....	1	3	8
Burleigh County.....	3	3	1	Vinton County.....		3	42
Cass County.....	5			Wayne County.....	2		
Dickey County.....	7	7	3	Wood County.....	1	1	
Dunn County.....	4			Total.....	300	241	160
Foster County.....	1			Oklahoma:			
Grand Forks County.....	3	10	9	Atoka County.....	1		
LaMoure County.....	7		1	Comanche County.....	3		
Logan County.....	2			Garfield County.....	8	12	
McHenry County.....			1	Garvin County.....		14	
McIntosh County.....		3		Grady County.....	21	14	2
McKenzie County.....		11		Haskell County.....		3	
Mountrail County.....	1	1		Jefferson County.....	6		
Nelson County.....		1	1	Le Flore County.....	85		
Pembina County.....	2	12		Mayes County.....	1		
Pierce County.....	1	1		Ottawa County.....		2	
Ramsey County.....		6		Pittsburg County.....	11	7	
Richland County.....	3	2		Pontotoc County.....	12		11
Sargent County.....		1		Tushumaha County.....	1		
Trail County.....	4	8	1	Seminole County.....	1		
Walsh County.....	26		5	Stephens County.....	16		
Williams County.....		3		Tillman County.....	9		
Total.....	72	84	25	Total.....	175	52	13
Ohio:				Oregon:			
Allen County.....	3			Clackamas County.....	7	4	2
Ashland County.....		2		Clatsop County.....		2	
Athens County.....		1		Columbia County.....			2
Belmont County.....		1	2	Cos County.....			3
Butler County.....	1	1	2	Deschutes County.....			1
Champaign County.....			1	Douglas County.....	3		
Clark County.....	29	14	14	Hood County.....		2	
Clinton County.....	5			Jackson County.....	3		1
Columbiana County.....	2	11	6	Marion County.....	3		6
Crawford County.....	8	4	1	Multnomah County.....	60	22	35
Cuyahoga County.....	2		4	Polk County.....			1

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Oregon—Continued.				Virginia*—Continued.			
Tillamook County.....	5		1	Westmoreland County.....		1	
Wallowa County.....			1	Wise County.....	7	3	
Washington County.....	1	2	4	Wythe County.....	1	1	
Yamhill County.....			2				
Total.....	82	33	59	Total.....	43	29	21
Pennsylvania:				Washington:			
Allegheny County.....	1			Benton County.....			1
Beaver County.....	5			Chelan County.....	3	5	8
Cambria County.....	1			Clarke County.....	1	3	3
Lawrence County.....	1			Cowlitz County.....	1		
Lebanon County.....	1	1		Douglas County.....			1
Westmoreland County.....		1		Grays Harbor County.....	5	2	
Total.....	9	2		Jefferson County.....	4		
Rhode Island:				King County.....	21	12	4
Providence County.....			1	Kitsap County.....	7		6
South Carolina:				Kittitas County.....	9	2	
Anderson County.....			1	Lewis County.....	1		1
Charleston County.....			9	Oranogan County.....	2	14	6
Fairfield County.....			1	Pacific County.....	1	1	
Flint County.....		1		Pierce County—			
Georgetown County.....			8	Tacoma.....	12	9	2
Pickens County.....	39	16		Ecatering.....	19	16	5
Richland County.....	2	1		Skagit County.....		3	
Spartanburg County.....		1		Snohomish County.....	20	4	7
Sumter County.....		2		Spokane County.....	31	11	7
Total.....	41	21	14	Spokane.....	10	11	4
South Dakota:				Stevens County.....			1
Aurora County.....		5	1	Walla Walla County.....		4	3
Beadle County.....	1	1		Whatcom County.....	14	6	4
Brown County.....	10	5		Yakima County.....	11	5	3
Charles Mix County.....	1		3	Total.....	172	109	66
Clark County.....	7	1		West Virginia:			
Clay County.....	1	1		Barbour County.....	5		1
Codington County.....	1			Braxton County.....		3	
Dawson County.....		1	1	Clay County.....			8
DeWitt County.....	24			Gilmer County.....	5	1	
Edmunds County.....		14	8	Hancock County.....			1
Faulk County.....	2	3	1	Harrison County.....	1		
Haakon County.....	1			Kanawha County.....	3	10	5
Hanson County.....		1		Lewis County.....	1		1
Hughes County.....		4	1	Logan County.....	12	8	2
Hutchinson County.....			3	McDowell County.....	9	2	5
Hyde County.....		7	1	Marion County.....			11
Jerauld County.....			1	Marshall County.....	16		5
Lake County.....	2		1	Mercer County.....	23	1	2
Lawrence County.....			1	Mineral County.....			1
Lincoln County.....	5	10	9	Mingo County.....	2	1	1
Spink County.....		2		Nicholas County.....		1	
Stanley County.....	7			Pendleton County.....	4		
Towner County.....			8	Preston County.....	1		
Total.....	62	55	39	Raleigh County.....			12
Vermont:				Wood County.....	9	7	1
Bennington County.....		1	1	Wyoming County.....	1		
Virginia:				Total.....	92	36	56
Buchanan County.....		8	1	Wisconsin:			
Campbell County.....	1		1	Ashland County.....	3	4	2
Dickenson County.....			7	Barron County.....		23	
Fairfax County.....		2	1	Bayfield County.....	2		
Giles County.....		2	1	Chippewa County.....	2		
Henrico County.....		1		Clark County.....			2
King George County.....	5			Dane County.....			1
Loudoun County.....	1			Douglas County.....	26	62	54
Montgomery County.....		1	4	Eau Claire County.....	1	2	2
Pittsylvania County.....	4	1	1	Jefferson County.....	1	2	
Roanoke County.....	3	1		Kewaunee County.....	4		
Russell County.....	21	10	5	Lafayette County.....		16	
				Manitowoc County.....	6	3	
				Marathon County.....	22	16	15

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Wisconsin—Continued.				Wyoming:			
Marinette County.....	2			Albany County.....	2		
Milwaukee County.....	11	28	20	Big Horn County.....			1
Pierce County.....	2	6	2	Crook County.....			1
Polk County.....			4	Goshen County.....	9		
Racine County.....	4	5	3	Laramie County.....	1	1	
Rock County.....	4		4	Natrona County.....	3	2	
Rusk County.....		4		Niobrara County.....	2	3	
St. Croix County.....	8			Sheridan County.....			5
Sauk County.....			4	Sweetwater County.....	1	2	
Trempealeau County.....	3			Washakie County.....	11	8	3
Walworth County.....	1			Weston County.....			1
Washburn County.....		8	2				
Waukesha County.....	9	2	10				
Winneshago County.....	9	2	2				
Wood County.....	1	5	2				
Total.....	112	198	129	Total.....	29	19	12

SMALLPOX—VACCINATION HISTORIES.

State.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within seven years preceding attack.	Last vaccinated more than seven years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
California.....	521		12	35	471	3
District of Columbia.....	18				17	1
Florida.....	104		6	1	56	41
Illinois.....	421		12	18	129	265
Kansas.....	190		5	10	108	67
Minnesota.....	559		7	16	321	215
Montana.....	125		1	3	119	2
New Mexico.....	28			1	23	
New York.....	84		2	5	74	3

¹ April and May only.

TYPHOID FEVER.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama:				Alabama—Continued.			
Autauga County.....	1			Dale County.....			1
Baldwin County.....	4	3	10	Dallas County.....			6
Barbour County.....		2	6	Dekalb County.....			2
Bibb County.....		2	1	Elmore County.....		1	
Blount County.....			4	Escambia County.....			5
Bullock County.....			2	Etowah County.....			4
Butler County.....			2	Franklin County.....		1	2
Calhoun County.....		1	12	Hale County.....		1	
Chilton County.....			1	Henry County.....			1
Clarke County.....		1	1	Houston County.....		3	20
Clay County.....			1	Jackson County.....			2
Cleburne County.....			1	Jefferson County.....	20	29	23
Covington County.....		1		Lamar County.....		2	

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama—Continued.				California—Continued.			
Lauderdale County.....	1	2	5	Phumas County.....	2		
Lawrence County.....			3	Riverside County.....	2	10	16
Limestone County.....			2	Sacramento County.....	4	7	5
Lewndes County.....		4	2	San Benito County.....		1	
Macon County.....			2	San Bernardino County.....	1	4	6
Madison County.....	1		5	San Diego County.....			1
Marion County.....	2	4	1	San Francisco County.....	6	2	2
Marion County.....			1	San Joaquin County.....	10	15	19
Marshall County.....			1	San Luis Obispo County.....			1
Mobile County.....	1	1	3	Santa Clara County.....		1	1
Montgomery County.....		4	9	Shasta County.....			1
Morgan County.....			1	Solano County.....		1	
Perry County.....			2	Sonoma County.....		1	5
Pike County.....	4	2	3	Stanislaus County.....			1
Shelby County.....			3	Tulare County.....	1	1	2
Sumter County.....		1	1	Yolo County.....	2		
Talladega County.....			6				
Tascaloosa County.....	1	3		Total.....	41	65	99
Walker County.....	1	6	4				
Total.....	36	74	169	Colorado:			
Arkansas:				Adams County.....			1
Benton County.....			3	Arapahoe County.....			1
Boone County.....	1			Archuleta County.....			1
Bradley County.....	1			Boulder County.....		1	
Chicot County.....			1	Denver County.....	2	1	4
Clay County.....			1	Dolores County.....		1	
Conway County.....	1			El Paso County.....			1
Crawford County.....	2		1	Fremont County.....			1
Cross County.....	2			Garfield County.....		1	
Drew County.....			4	Jefferson County.....	1	1	
Faulkner County.....			7	La Plata County.....			1
Franklin County.....			2	Las Animas County.....			2
Greene County.....		1	4	Mesa County.....	1		
Hempstead County.....			2	Montrose County.....		4	1
Johnson County.....		2		Pueblo County.....			
Lafayette County.....		3	3	Rio Grande County.....			1
Logan County.....			2	Weld County.....	3		5
Loneka County.....	2		1	Yuma County.....			1
Marion County.....		1		Total.....	7	9	20
Miller County.....			9	Connecticut:			
Mississippi County.....		2	3	Fairfield County.....	3	2	3
Monroe County.....			6	Hartford County.....	1	2	5
Newton County.....	2	2		Litchfield County.....		2	
Prairie County.....		1		Middlesex County.....			1
Pulaski County.....	2	1	16	New Haven County—			
St. Francis County.....	1		1	New Haven.....	6		13
Saline County.....		1	3	Scattering.....	1	3	7
Sebastian County.....	1	4	9	New London County.....		1	6
Sharp County.....	2	3	2	Windham County.....	1	1	1
Union County.....			5	Total.....	12	11	41
Washington County.....		1	4				
White County.....			4	Delaware:			
Total.....	17	23	93	Kent County.....			1
California:				New Castle County.....		10	6
Alameda County.....		4	2	Susser County.....		2	3
Butte County.....		1	1	Total.....		12	10
Contra Costa County.....		2		District of Columbia.....	3	39	28
Fresno County.....		2	3				
Glenn County.....	1			Florida:			
Imperial County.....			5	Alachua County.....	1		2
Kern County.....	2	1	2	Baker County.....			1
Kings County.....		1		Bradford County.....		3	
Lacon County.....			1	Citrus County.....		1	
Los Angeles County—				Clay County.....			1
Los Angeles.....	5	8	11	Dade County.....	1	2	1
Scattering.....		1	8	De Soto County.....			2
Madera County.....	1			Duval County.....	5	7	4
Marin County.....			1	Escambia County.....	3	7	8
Monterey County.....	1			Gadsden County.....	2	2	1
Orange County.....	3	3	5	Hardee County.....	1	1	3

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Florida—Continued.				Illinois—Continued.			
Hillsborough County.....	9	14	13	Hancock County.....	1	—	2
Jackson County.....	1	—	—	Henry County.....	10	27	5
Lafayette County.....	—	1	1	Iroquois County.....	1	3	—
Lee County.....	—	1	2	Jackson County.....	1	2	2
Leon County.....	—	—	2	Jefferson County.....	—	—	4
Levy County.....	—	—	1	Johnson County.....	—	—	2
Liberty County.....	—	—	1	Kane County.....	6	1	—
Madison County.....	2	—	—	Kankakee County.....	1	—	—
Manatee County.....	—	2	7	Knox County.....	—	—	2
Marion County.....	—	2	4	Lake County.....	—	—	2
Monroe County.....	—	—	1	Lawrence County.....	—	1	—
Nassau County.....	—	2	—	Lee County.....	—	—	2
Ocala County.....	—	—	1	Livingston County.....	—	—	1
Okeechobee County.....	—	1	—	Logan County.....	—	1	1
Orange County.....	—	3	—	McDonough County.....	—	—	1
Osceola County.....	—	—	1	McHenry County.....	—	—	1
Palm Beach County.....	—	—	1	McLean County.....	—	1	1
Pasco County.....	—	2	2	Macon County.....	1	1	1
Pinellas County.....	—	—	2	Macoupin County.....	—	1	1
Polk County.....	1	4	2	Madison County.....	1	—	1
Putnam County.....	1	1	—	Marshall County.....	—	2	—
St. Lucie County.....	2	—	—	Massac County.....	1	—	1
Seminole County.....	1	2	5	Monroe County.....	1	—	1
Sumter County.....	1	—	—	Montgomery County.....	6	1	—
Suwanee County.....	1	1	3	Morgan County.....	—	2	4
Union County.....	—	2	5	Peoria County.....	—	1	—
Volusia County.....	1	2	—	Pulaski County.....	—	1	—
Walton County.....	2	—	3	Randolph County.....	1	3	2
Washington County.....	—	—	1	Rock Island County.....	2	2	2
Total.....	35	63	81	St. Clair County.....	—	1	3
Hawaii:				Saline County.....	1	—	—
Hawaii.....	1	3	1	Sangamon County.....	1	3	3
Kauai.....	1	5	—	Stark County.....	—	—	1
Oahu.....	10	12	10	Tazewell County.....	—	—	1
Total.....	12	20	11	Union County.....	2	—	4
Idaho:				Wabash County.....	3	1	—
Bear Lake County.....	—	4	1	White County.....	—	2	1
Bingham County.....	—	1	—	Whiteside County.....	—	2	1
Bonner County.....	1	—	—	Will County.....	—	8	6
Bonneville County.....	—	—	1	Williamson County.....	3	—	2
Latah County.....	1	1	—	Winnebago County.....	—	6	—
Total.....	2	6	2	State institutions.....	2	4	—
Illinois:				Place not stated.....	—	1	—
Adams County.....	1	—	1	Total.....	67	132	111
Alexander County.....	—	1	—	Indiana:			
Bond County.....	—	1	5	Cass County.....	1	—	—
Bureau County.....	1	4	2	Clay County.....	—	—	2
Carroll County.....	1	3	—	Delaware County.....	—	—	1
Christian County.....	1	—	1	Elkhart County.....	—	—	4
Clark County.....	—	12	5	Fountain County.....	—	—	1
Clay County.....	—	2	1	Howard County.....	—	1	—
Clinton County.....	—	2	6	Huntington County.....	1	—	—
Coles County.....	3	2	—	Jefferson County.....	1	—	—
Cook County.....	8	11	11	Knox County.....	—	—	1
Crawford County.....	—	—	1	Kosciusko County.....	—	5	4
Cumberland County.....	3	—	—	Lake County.....	14	—	1
De Kalb County.....	—	—	6	Laporte County.....	1	—	—
De Witt County.....	—	—	—	Martin County.....	1	2	—
Douglas County.....	1	—	—	Monroe County.....	—	—	1
Du Page County.....	—	—	1	Owen County.....	—	1	—
Edgar County.....	1	—	1	Putnam County.....	1	—	—
Edwards County.....	—	1	—	Rush County.....	—	—	—
Effingham County.....	—	—	1	St. Joseph County.....	1	1	3
Fayette County.....	2	—	1	Spencer County.....	—	—	2
Franklin County.....	—	6	2	Tippecanoe County.....	—	—	1
Fulton County.....	—	1	—	Union County.....	—	—	1
Gallatin County.....	—	—	1	Vanderburg County.....	1	—	—
Hamilton County.....	—	1	3	Wabash County.....	—	—	1
				Wayne County.....	1	—	—
				Total.....	23	10	23

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Kansas:				Louisiana—Continued.			
Atchison County.....	5	1	4	St. Helena Parish.....			1
Barber County.....		1		St. James Parish.....	1	1	5
Bourbon County.....			5	St. Landry Parish.....			2
Brown County.....		2	2	St. Martin Parish.....	1		
Butler County.....	3	5	1	St. Mary Parish.....	1	1	4
Chase County.....	1			St. Tammany Parish.....	2	3	
Charoake County.....			3	Tangipahoa Parish.....		3	
Cloud County.....		1	1	Terrebonne Parish.....			1
Cowley County.....	1	2	1	Vermillion Parish.....		7	3
Crawford County.....	1		3	Vernon Parish.....	1	1	1
Douglas County.....		1		Washington Parish.....	1	8	8
Ford County.....			1	Webster Parish.....	1		
Franklin County.....	4	1	3	West Baton Rouge Parish.....			1
Greenwood County.....			3	Total.....	50	65	102
Harper County.....	1						
Johnson County.....	1			Maine:			
Kingman County.....			1	Androscoggin County.....		1	1
Labette County.....	1	1	1	Aroostook County.....	2	1	1
Leavenworth County.....			4	Cumberland County.....	8	2	1
Linn County.....		3	1	Kennebec County.....	2		
Lyon County.....		1		Knox County.....	2		
Marion County.....		2	1	Penobscot County.....	2	3	
Montgomery County.....			3	Piscataquis County.....	1		1
Neosho County.....		3		Somerset County.....	2	2	
Ness County.....		1		York County.....	1		
Norton County.....		1		Total.....	20	9	4
Pratt County.....			1				
Reno County.....			4	Maryland:			
Riley County.....		1		Allegany County.....		1	1
Sedgewick County.....	1		2	Anne Arundel County.....		1	3
Shawnee County.....	1	1	3	Baltimore City.....	8	13	15
Smith County.....		1		Baltimore County.....		1	3
Stafford County.....			2	Caroline County.....		1	1
Sumner County.....		1		Carroll County.....		2	
Washington County.....	1			Cecil County.....			2
Wilson County.....	1	1	1	Charles County.....	1		
Wyandotte County.....	1			Dorchester County.....			2
Total.....	22	32	51	Frederick County.....	2	2	3
				Harford County.....	4		1
Louisiana:				Howard County.....		1	
Acadia Parish.....	1			Kent County.....	1		
Ascension Parish.....		1		Montgomery County.....		1	2
Assumption Parish.....	1	1		Prince Georges County.....	1		1
Avoyes Parish.....		1	1	Queen Annes County.....			3
Beauregard Parish.....	1	1		Somerset County.....	1	2	1
Caddo Parish.....	3	5	1	St. Marys County.....	1	1	2
Calcasieu Parish.....	1	2		Washington County.....	1	3	1
Caldwell Parish.....		1	3	Wicomico County.....			2
Catahoula Parish.....	6	1		Worcester County.....			1
De Soto Parish.....			1	State institutions.....	1	2	5
East Baton Rouge Parish.....	1	2	5	Total.....	21	31	49
East Carroll Parish.....			1				
East Feliciana Parish.....	4	1	5	Massachusetts:			
Franklin Parish.....			6	Berkshire County.....	2		2
Iberia Parish.....			3	Bristol County.....	3	7	4
Iberville Parish.....	1		1	Essex County.....	3	10	3
Jackson Parish.....	2		1	Franklin County.....	1		
Jackson Parish.....			4	Hampden County.....	2	1	3
Jefferson Davis Parish.....				Hampshire County.....			1
Lafayette Parish.....	2	2	5	Middlesex County.....	5	6	12
Lafourche Parish.....		2	3	Norfolk County.....	3	1	5
La Salle Parish.....	2		1	Plymouth County.....		2	2
Lincoln Parish.....	1	1	2	Suffolk County.....	5	8	5
Livingston Parish.....		1		Worcester County.....	5	1	4
Metchitoches Parish.....	1	4	1	Total.....	20	36	41
Orleans Parish.....	9	9	22				
Ouachita Parish.....			4	Michigan:			
Plaquemines Parish.....			1	Alpena County.....	1		
Poate Coupee Parish.....		1		Bay County.....	12	6	
Rapides Parish.....	1	3	3	Berrien County.....		1	
Red River Parish.....	2	1					
Richland Parish.....	1	1	1				
Sabine Parish.....			1				

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Michigan—Continued.				Mississippi—Continued.			
Branch County.....	1			Carroll County.....		1	
Delta County.....		2		Chickasaw County.....			5
Eaton County.....		2		Choctaw County.....			2
Emmet County.....		2		Clallborne County.....		1	1
Genesee County.....		2		Clarke County.....	1	3	3
Gratiot County.....	2	2		Clay County.....	1	1	2
Hillsdale County.....	1			Coahoma County.....		1	
Houghton County.....	1			Copiah County.....	6	10	13
Huron County.....		7		Covington County.....	1	4	5
Ingham County.....	1			De Sota County.....			1
Ionia County.....	1			Forrest County.....			1
Jackson County.....		1		Franklin County.....		3	7
Kalamazoo County.....	1			George County.....			3
Kent County.....	1	6		Greene County.....		1	2
Lapeer County.....		1		Hancock County.....	1		
Leelanau County.....	1			Harrison County.....	1	3	2
Lenawee County.....		1		Hinds County.....	2	2	4
Macomb County.....	1	1		Holmes County.....	12	5	4
Manistee County.....		1		Humphreys County.....	6		
Midland County.....	1			Itawamba County.....		1	3
Muskegon County.....	1	1		Jackson County.....		1	
Oakland County.....		1		Jasper County.....	1		7
Ogemaw County.....		1		Jefferson County.....			1
Ontonagon County.....	14	18		Jefferson Davis County.....		9	3
Ottawa County.....	1	1		Jones County.....		3	20
Saginaw County.....	2	5		Kemper County.....		3	3
Saint Claire County.....	3	2		Lafayette County.....	5	2	8
Shiawassee County.....	1	3		Lamar County.....	1	2	4
Tuscola County.....		1		Lauderdale County.....		4	8
Van Buren County.....	2			Lawrence County.....	1	1	1
Washtenaw County.....	1			Leake County.....	1	2	
Wayne County.....	18	18		Lee County.....			12
Total.....	67	84	(1)	Leflore County.....	10	5	4
				Lincoln County.....		3	6
Minnesota:				Lowndes County.....	2	2	4
Aitkin County.....	1			Madison County.....	1		6
Beltrami County.....	8	3	1	Marion County.....	3		1
Bigstone County.....		2		Marshall County.....	1	1	3
Blue Earth County.....			1	Monroe County.....	1	1	2
Carver County.....	1			Montgomery County.....		3	6
Cottonwood County.....		1		Neshoba County.....			1
Crow Wing County.....			1	Newton County.....		3	1
Hennepin County.....	2	7	5	Oktibbeha County.....	3	1	5
Houston County.....		1	1	Panola County.....	3	1	4
Hubbard County.....			1	Pearl River County.....	4	1	1
Isanti County.....		1		Pike County.....		4	3
Koochiching County.....		1		Pontotoc County.....		1	
Lyon County.....			2	Prentiss County.....		1	2
Morrison County.....			1	Quitman County.....		2	5
Moyer County.....	1			Rankin County.....	2	3	4
Olmsted County.....	1	5	3	Scott County.....	1	2	8
Ottertail County.....			1	Sharkey County.....	1	2	1
Pennington County.....	1			Simpson County.....	1	4	3
Pipestone County.....			1	Smith County.....			11
Ramsey County.....		1	2	Stone County.....	1		
Redwood County.....			1	Sunflower County.....	2	3	2
Rock County.....			2	Tallahatchie County.....	5	4	1
Roseau County.....	1	1		Tate County.....	5	3	4
Saint Louis County.....	2	2	1	Tippah County.....			1
Traverse County.....		1		Tishomingo County.....	1		11
Washington County.....			1	Tunica County.....	1	2	4
Winona County.....				Union County.....			3
Total.....	18	26	23	Walsh County.....	6	1	6
				Warren County.....	5	1	5
Mississippi:				Washington County.....	1	7	8
Adams County.....	1		7	Wayne County.....	1	2	1
Alcorn County.....			1	Webster County.....		2	2
Amite County.....			2	Wilkinson County.....	1	1	4
Attala County.....			1	Winston County.....			7
Benton County.....			8	Yalobusha County.....			7
Bolivar County.....	15	15	38	Yazoo County.....		1	2
Calhoun County.....	2	1	6	Total.....	120	147	337

¹ Report for June not received at time of going to press.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Montana:				New York—Continued.			
Big Horn County.....			1	Chesapeake County.....			1
Carbon County.....	3	1		Clinton County.....	1	1	1
Cascade County.....			1	Cortland County.....			
Custer County.....	1			Delaware County.....			
Daniels County.....			1	Waltan.....	6	26	2
Gallatin County.....	?	1	1	Scattering.....		2	2
Lewis and Clark County.....		1		Dutchess County.....	2	2	2
Leavitt County.....			1	Eric County.....	9	9	7
Rosebud County.....			3	Franklin County.....	4	3	
Sanders County.....		1	3	Fulton County.....			1
Silver Bow County.....			3	Ganosee County.....	3	1	
Yellowstone County.....	1	1	3	Greene County.....	1	2	
Total.....	5	4	15	Herkimer County.....	1	1	
Nebraska:				Jefferson County.....			2
Dodge County.....		1		Lewis County.....	1		1
Deuel County.....		1	1	Madison County.....		1	
Hall County.....			1	Monroe County.....	5	3	4
Lancaster County.....		2	1	Montgomery County.....		1	2
Richardson County.....			1	Nassau County.....	1	4	1
Total.....		4	4	Niagara County.....	4	2	1
New Jersey:				Oneida County.....	2	5	
Atlantic County.....		1	4	Onondaga County.....	6	1	2
Bergen County.....	1	1	6	Orange County.....		1	3
Burlington County.....			1	Orleans County.....	1		
Camden County.....	12	6	3	Oswego County.....		1	4
Cape May County.....			1	Otsego County.....	1	1	1
Cumberland County.....			1	Beneseher County.....	2	2	
Essex County.....	4	5	11	Saint Lawrence County.....	5	2	1
Gloucester County.....	2	2		Saratoga County.....	5		5
Hudson County.....		2	1	Schenectady County.....	1	3	2
Hunterdon County.....			1	Steuben County.....	3	3	
Macar County.....	7	3	3	Suffolk County.....	2	1	
Middlesex County.....		2		Sullivan County.....			1
Morristown County.....	2	2	4	Tompkins County.....		2	1
Morris County.....	3		4	Ulster County.....	1	9	1
Passaic County.....	3	2	3	Warren County.....		3	
Salem County.....	2	2	2	Washington County.....			2
Somerset County.....			1	Wayne County.....	5		
Union County.....	1	3	4	Westchester County.....	2	5	4
Warren County.....		1		New York City.....	22	33	50
Total.....	37	32	50	Total.....	104	149	120
New Mexico:				North Carolina:			
Bernalillo County.....	1			Alamance County.....	1	1	1
Colfax County.....		2	3	Alexander County.....			1
Curry County.....			1	Anson County.....		1	
Doña Ana County.....		1		Ashe County.....		3	
Eddy County.....			1	Beaufort County.....			2
Lincoln County.....	1			Brumcombe County.....	2		
Lea County.....			1	Cabarrus County.....		1	5
Logan County.....			1	Caldwell County.....		3	2
McKenzie County.....			1	Carteret County.....			2
More County.....			1	Catawba County.....	1	1	3
Okfus County.....			1	Chatham County.....	1	1	4
Quay County.....		2		Cherokee County.....	1		1
San Juan County.....		9		Chester County.....		2	4
San Miguel County.....		1		Columbus County.....			2
Santa Fe County.....		2	2	Crawen County.....		3	3
Socorro County.....		3	1	Cumberland County.....			1
Torrance County.....			1	Davidson County.....	2	2	3
Union County.....	1			Davis County.....		1	
Valencia County.....			2	Duplin County.....	1	2	3
Total.....	3	8	26	Durham County.....		1	13
New York:				Edgecombe County.....			4
Albany County.....	1	4	8	Forsyth County.....			6
Allegany County.....	1	2	7	Franklin County.....			8
Broome County.....	1		1	Gaston County.....	2	1	4
Cattaraugus County.....	3	2		Graham County.....	2	3	2
Cayuga County.....		1		Granville County.....		1	2
Chautauqua County.....	1	1	1	Greene County.....		2	3
				Guilford County.....	2		6
				Halifax County.....	4	5	9
				Harnett County.....		5	
				Henderson County.....		3	

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
North Carolina—Continued.				Ohio—Continued.			
Hertford County.....			4	Geauga County.....	1		
Hoke County.....			1	Groene County.....		25	2
Iredell County.....	1		7	Guernsey County.....	2		2
Jackson County.....			1	Hamilton County.....	3	3	12
Johnston County.....	1	2	8	Hancock County.....			1
Jones County.....			1	Harrison County.....	1		
Lenoir County.....	1	1	9	Highland County.....			1
Lincoln County.....			7	Hocking County.....		2	2
Madison County.....		2		Huron County.....		1	
Martin County.....	1	2	7	Jefferson County.....			2
McDowell County.....			2	Knox County.....		1	
Mecklenburg County.....		1	10	Lake County.....		1	
Mitchell County.....	1			Lawrence County.....	1	1	9
Nash County.....			2	Licking County.....	1	1	
New Hanover County.....		1	5	Lorain County.....	2	6	1
Northampton County.....		2	6	Lucas County.....	1		5
Onslow County.....		2	4	Mahoning County.....	2	4	9
Orange County.....		3	2	Medina County.....	1	1	2
Pasquotank County.....			2	Meigs County.....		1	
Perquimans County.....		5	3	Miami County.....	1	1	1
Pitt County.....		5	14	Monroe County.....	1	4	2
Polk County.....		2		Montgomery County.....	2	1	3
Randolph County.....			5	Muskingum County.....			2
Richmond County.....		1	2	Noble County.....	1		
Robeson County.....		4	6	Ottawa County.....		1	1
Rockingham County.....			13	Paulding County.....		1	
Rowan County.....	3	5	8	Perry County.....	1	1	2
Rutherford County.....	1		5	Pike County.....		1	1
Sampson County.....			4	Portage County.....			1
Stokes County.....	2	1	3	Ross County.....		2	
Surry County.....			5	Sandusky County.....			2
Swain County.....	1	1		Scioto County.....		2	5
Union County.....	1	2	13	Shelby County.....		1	1
Wake County.....	3	2	7	Stark County.....		5	
Warren County.....			4	Summit County.....	1	5	2
Washington County.....		9	4	Trumbull County.....	2	3	2
Watauga County.....		2	1	Tuscarawas County.....	1	1	1
Wayne County.....			3	Van Wert County.....		1	1
Wilkes County.....	1	1	5	Vinton County.....	1		
Wilson County.....	1	1	9	Warren County.....		1	
Yadkin County.....		3	3	Wayne County.....	2	2	4
Yancey County.....	1	3	3	Williams County.....	1		
				Wyandot County.....			1
Total.....	39	99	295	Total.....	45	122	119
North Dakota:				Oklahoma:			
Cavaller County.....			1	Blaine County.....		1	
Grand Forks County.....			1	Cherokee County.....	1		1
Morton County.....		1		Cimarron County.....		1	
Pierce County.....			1	Custer County.....		9	3
				Garfield County.....		2	
Total.....		1	3	Garvin County.....		1	
Ohio:				Grady County.....			6
Adams County.....	1			Mayes County.....		3	
Allen County.....		5	1	Nowata County.....			2
Ashland County.....			1	Oklahoma County.....			1
Ashtabula County.....			1	Ottawa County.....			1
Athens County.....			1	Pontotoc County.....	1		2
Auglaize County.....		1		Pottawatomie County.....			6
Belmont County.....	3	9	5	Pushmataha County.....	1		
Brown County.....		9		Seminole County.....			1
Butler County.....		2	1	Stephens County.....		1	9
Champaign County.....	2	1		Wagoner County.....			2
Clark County.....	1	1	2				
Clermont County.....		1	3	Total.....	3	18	35
Clinton County.....	2	1		Oregon:			
Columbiana County.....	2	12	1	Baker County.....			2
Crawford County.....			3	Clackamas County.....	1		
Cuyahoga County.....	3	5	10	Clatsop County.....	1		1
Erie County.....	3	1	2	Klamath County.....		1	
Fayette County.....			3	Lanc County.....		1	1
Franklin County.....		1	3	Marion County.....		1	

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Oregon—Continued.				South Carolina—Continued.			
Maitland County.....	4	5	5	Greenwood County.....	6		
Union County.....		1		Lexington County.....		3	
Wasco County.....			1	Newberry County.....			18
Washington County.....		4		Oconee County.....		3	2
Total.....	6	13	10	Orangeburg County.....	5		
Pennsylvania:				Pickens County.....			3
Adams County.....	1	2	1	Richland County.....	2	3	13
Allegheny County.....	8	7	27	Spartanburg County.....		1	2
Armstrong County.....	3	4	3	Sumter County.....		1	3
Beaver County.....	1		1	Union County.....	2		
Bedford County.....		1		Williamsburg County.....			1
Berks County.....	3	3	5	York County.....		1	3
Blair County.....	1	1	1	Total.....	16	15	96
Bradford County.....	1	2					
Bucks County.....	2	5	4	South Dakota:			
Butler County.....	1	1		Burke County.....		1	
Cambria County.....	1	2	20	James County.....			4
Center County.....	1	1	2	Lake County.....			1
Chester County.....		2	9	Minnehaha County.....			2
Clarion County.....		1		Moody County.....	1		
Clearfield County.....		6	2	Roberts County.....	1		
Columbia County.....	1	1	1	Stanley County.....		1	
Crawford County.....		2		Walworth County.....	1	1	1
Cumberland County.....			1	Total.....	3	3	8
Dauphin County.....		1	3				
Delaware County.....	1	4	1	Vermont:			
Elk County.....		1	2	Lamoille County.....	1	1	
Fayette County.....		3	8	Orange County.....			1
Franklin County.....	8	6		Orleans County.....			1
Fulton County.....	1		1	Rutland County.....			1
Hamilton County.....	1	1		Windsor County.....	1		
Indiana County.....	1	1	2	Total.....	2	1	3
Jefferson County.....	4	3					
Juniata County.....		1	2	Virginia:			
Lackawanna County.....		2	1	Accomac County.....		2	2
Lancaster County.....	4	2	5	Albemarle County.....	2	2	9
Lawrence County.....	1		1	Alexandria City.....	2	4	
Lebanon County.....		2		Alleghany County.....	1		4
Lehigh County.....		2	2	Amelia County.....		1	
Luzerne County.....			5	Amherst County.....	2	2	2
Lycoming County.....		1		Arlington County.....			2
Mercer County.....	4	5	3	Augusta County.....			4
Mifflin County.....	2		1	Bedford County.....		1	1
Monroe County.....		1		Bland County.....		3	
Montgomery County.....	6	5	6	Botetourt County.....		1	2
Northampton County.....		1		Brunswick County.....	2	1	2
Northumberland County.....		1		Buchanan County.....			12
Philadelphia County.....	19	25	24	Buckingham County.....		2	1
Schuykill County.....	1	2	1	Campbell County.....	1		3
Snyder County.....		6		Caroline County.....	3		2
Somerset County.....		1	2	Carroll County.....			2
Tioga County.....		4	1	Charlotte County.....			2
Union County.....			2	Culpeper County.....		3	2
Warren County.....	2		1	Dickerson County.....	2	2	
Washington County.....		55	31	Dinwiddie County.....			5
Westmoreland County.....	5	3	11	Elizabeth City County.....		1	2
Wyoming County.....				Fairfax County.....			2
York County.....	2	2	10	Floyd County.....	1	2	5
Total.....	86	186	207	Fluvanna County.....		1	2
				Franklin County.....			1
Rhode Island:				Giles County.....	1		
Providence County.....	1		1	Glooucester County.....	1		2
				Grayson County.....	1	2	1
South Carolina:				Greensville County.....		2	9
Anderson County.....		1		Halifax County.....	1		
Charleston County.....			1	Henrico County.....	1	4	1
Cherokee County.....	1	1	15	Henry County.....		1	2
Darlington County.....			16	Isle of Wight County.....			4
Fairfield County.....		1	1	King and Queen County.....			2
Greenville County.....			18	Lancaster County.....			3

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Virginia—Continued.				West Virginia—Continued.			
Lee County.....	1	2	3	Deedridge County.....		1	
Loudoun County.....		4	1	Payette County.....	5	5	9
Louisa County.....	1			Glasser County.....	2		
Luxemburg County.....			2	Greensboro County.....		1	1
Madison County.....		1	1	Hancock County.....		1	1
Mathews County.....			2	Harrison County.....	1	1	1
Mecklenburg County.....			2	Jackson County.....		1	
Montgomery County.....			5	Kanawha County.....	8		2
Nelson County.....	2		4	Lewis County.....		1	
Norfolk County.....	3	6	12	Lincoln County.....	4	2	
Northampton County.....			4	Logan County.....	3		4
Northumberland County.....	6			Marion County.....		2	2
Nettaway County.....		1		Mineral County.....	1		
Patrik County.....			2	Mingo County.....	5	8	5
Pittsylvania County.....			5	Monongalia County.....	3		2
Prince Edward County.....		1	1	Monroe County.....	1	6	
Prince William County.....		1	1	Nicholas County.....	2		2
Rappahannock County.....			1	Ohio County.....	2		3
Rosnoke County.....		3	3	Pendleton County.....	1		
Rockbridge County.....		2	2	Pocahontas County.....		1	1
Rockingham County.....			2	Preston County.....	2	1	
Russell County.....	1	3	7	Raleigh County.....	1	1	
Scott County.....	1	2		Randolph County.....	1		1
Shenandoah County.....	4		6	Roane County.....			
Smyth County.....	1	2	3	Taylor County.....		5	2
Southampton County.....	1	1	14	Tucker County.....		1	
Spotsylvania County.....			1	Unshur County.....			1
Stafford County.....		1		Wirt County.....	1		
Surry County.....		1		Wyoming County.....		1	
Sussex County.....		1	2				
Tazewell County.....	1	2	2	Total.....	49	42	45
Warren County.....			3				
Warwick County.....	1			Wisconsin:			
Washington County.....	1		7	Ashland County.....			1
Westmoreland County.....	2	2	1	Brown County.....	1		
Wise County.....		2	10	Burnett County.....	1		
Wythe County.....	4	2	3	Clark County.....			1
York County.....			1	Door County.....		19	24
Total.....	50	76	207	Douglas County.....		6	
Washington:				Fond du Lac County.....	5	3	
Benton County.....	2			Kenosha County.....		1	1
Chelan County.....	1	5	13	Kewaunee County.....			1
Chatham County.....				La Crosse County.....		1	
Clarke County.....		1		Lafayette County.....			
Columbia County.....	1			Lincoln County.....			
Cowlitz County.....		1		Marquette County.....	3		
Douglas County.....			1	Milwaukee County.....	5	3	
Grant County.....			1	Outagamie County.....	1		
King County.....		1	4	Pierce County.....		1	
Kittitas County.....			1	Price County.....	3		2
Klickitat County.....	1			Richland County.....	1		
Lewis County.....		3	1	Rock County.....			2
Lincoln County.....			1	Sauk County.....	1		
Okanogan County.....		1	4	Sawyer County.....	1		1
Pacific County.....			1	Shoshone County.....	1		
Pend Oreille County.....			1	Vernon County.....			1
Pierce County.....		3	9	Walworth County.....	1		
Shagit County.....		1	2	Washington County.....			4
Spokane County.....	3	2	8	Washtenaw County.....	1		
Thurston County.....	1			Winnebago County.....	1		2
Walla Walla County.....		1	6				
Yakima County.....		1	3	Total.....	25	36	40
Total.....	9	21	56				
West Virginia:				Wyoming:			
Barbour County.....	2		3	Albany County.....		1	
Berkeley County.....			1	Big Horn County.....	2		
Braxton County.....	1		1	Goheen County.....		1	
Brooke County.....		1		Hot Springs County.....	2	4	
Cabell County.....	2	3	1	Lincoln County.....			4
Clay County.....			3	Natrona County.....	1		2
				Park County.....	1		
				Flatte County.....			1
				Sheridan County.....		1	
				Total.....	6	7	8

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SUMMARY OF DISEASES.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Alabama:				Colorado:			
Cancer.....	1	8	6	Cancer.....	1	1	.....
Cerebrospinal meningitis.....	.....	1	.....	Chicken pox.....	114	186	123
Chicken pox.....	133	92	14	Diphtheria.....	130	95	99
Diphtheria.....	22	37	48	Erysipelas.....	15	15	12
Dysentery.....	3	18	11	Impetigo contagiosa.....	5	.....	2
German measles.....	3	2	.....	Influenza.....	62	4	.....
Hookworm disease.....	412	210	145	Measles.....	31	17	35
Influenza.....	338	30	18	Mumps.....	117	122	51
Malaria.....	40	78	127	Pellagra.....	.....	.....	1
Measles.....	29	27	32	Pneumonia (all forms).....	42	16	4
Mumps.....	7	14	8	Poliomyelitis.....	.....	1	.....
Ophthalmia neonatorum.....	.....	.....	2	Rocky Mountain spotted or tick fever.....	.....	1	.....
Pellagra.....	10	33	53	Septic sore throat.....	.....	.....	1
Pneumonia (all forms).....	41	15	3	Scarlet fever.....	102	168	78
Poliomyelitis.....	1	.....	3	Smallpox.....	76	71	16
Scabies.....	22	5	1	Trachoma.....	3	.....	.....
Scarlet fever.....	10	26	23	Tuberculosis (all forms).....	506	117	159
Septic sore throat.....	7	.....	.....	Typhoid fever.....	7	9	20
Smallpox.....	65	93	35	Vincent's angina.....	1	3	1
Tetanus.....	1	3	.....	Whooping cough.....	101	87	86
Tuberculosis (all forms).....	64	124	68	Connecticut:			
Typhoid fever.....	36	74	169	Anthrax.....	.....	2	.....
Typhus fever.....	.....	.....	1	Botulism.....	.....	.....	1
Whooping cough.....	22	54	50	Cerebrospinal meningitis.....	11	9	3
Arkansas:				Chicken pox.....	174	191	133
Cerebrospinal meningitis.....	.....	2	.....	Conjunctivitis (infectious).....	11	3	152
Chicken pox.....	54	15	18	Diphtheria.....	209	152	154
Diphtheria.....	14	20	9	Dysentery (amebic).....	.....	.....	1
Hookworm disease.....	1	2	5	Dysentery (bacillary).....	53	67	35
Influenza.....	550	90	16	German measles.....	395	47	22
Leprosy.....	.....	1	.....	Influenza.....	10	6	.....
Malaria.....	132	256	453	Lethargic encephalitis.....	.....	.....	4
Measles.....	58	16	25	Malaria.....	1	2	.....
Pellagra.....	27	39	62	Measles.....	905	1,632	1,430
Poliomyelitis.....	.....	1	.....	Mumps.....	100	65	45
Scarlet fever.....	15	6	2	Paratyphoid fever.....	.....	3	3
Smallpox.....	21	19	18	Pellagra.....	.....	.....	.....
Trachoma.....	5	2	11	Pneumonia (lobar).....	210	145	57
Tuberculosis (all forms).....	37	46	79	Poliomyelitis.....	.....	3	.....
Typhoid fever.....	17	23	93	Scarlet fever.....	249	270	159
Whooping cough.....	18	24	25	Septic sore throat.....	1	5	3
California:				Smallpox.....	70	54	25
Beriberi.....	.....	4	.....	Tetanus.....	.....	2	2
Botulism.....	.....	1	3	Trachoma.....	5	.....	2
Cerebrospinal meningitis.....	7	14	9	Tuberculosis (pulmonary).....	128	158	137
Chicken pox.....	598	814	530	Tuberculosis (other forms).....	9	16	13
Diphtheria.....	504	634	628	Typhoid fever.....	12	11	41
Dysentery.....	8	15	34	Whooping cough.....	124	138	114
Erysipelas.....	45	64	42	Delaware:			
German measles.....	58	55	26	Anthrax.....	.....	1	.....
Hookworm disease.....	2	1	.....	Cerebrospinal meningitis.....	1	2	.....
Influenza.....	756	166	29	Chicken pox.....	27	23	4
Leprosy.....	1	4	1	Diphtheria.....	4	3	5
Lethargic encephalitis.....	5	18	8	Erysipelas.....	1	.....	.....
Malaria.....	3	13	7	Influenza.....	8	1	.....
Measles.....	97	157	144	Malaria.....	4	1	5
Mumps.....	302	312	184	Measles.....	8	11	14
Ophthalmia neonatorum.....	.....	.....	.....	Mumps.....	.....	.....	2
Paratyphoid fever.....	5	5	1	Ophthalmia neonatorum.....	.....	.....	2
Pellagra.....	4	3	3	Pneumonia (all forms).....	13	7	2
Plague.....	.....	.....	1	Puerperal septicemia.....	1	1	.....
Pneumonia (all forms).....	481	491	235	Scarlet fever.....	196	90	69
Poliomyelitis.....	3	4	8	Tetanus.....	.....	1	.....
Rabies in man.....	1	.....	.....	Tuberculosis (all forms).....	37	32	21
Rocky Mountain spotted or tick fever.....	1	.....	1	Typhoid fever.....	.....	12	10
Scarlet fever.....	438	581	338	Whooping cough.....	1	4	.....
Smallpox.....	174	176	171	District of Columbia:			
Tetanus.....	2	10	5	Chicken pox.....	165	164	91
Trachoma.....	10	18	13	Diphtheria.....	39	63	20
Tuberculosis (all forms).....	670	926	647	Influenza.....	9	1	.....
Typhoid fever.....	41	68	99	Lethargic encephalitis.....	2	.....	.....
Whooping cough.....	307	494	423	Measles.....	62	.....	130

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
District of Columbia—Contd.				Illinois—Continued.			
Pellagra	29	1	14	Dysentery	90	32	56
Scarlet fever	7	25	1	Erysipelas	73	79	61
Smallpox	130	(?)	(1)	German measles	2,067	1,391	377
Tuberculosis	3	39	28	Influenza	448	86	45
Typhoid fever	27	35	54	Lead poisoning	22	2	6
Whooping cough	34	49	35	Lethargic encephalitis	22	5	4
Florida:				Malaria	29	80	54
Cancer	1	1	1	Measles	2,647	2,202	2,762
Cerebrospinal meningitis	36	10	4	Mumps	549	520	337
Chicken pox	1	4	71	Ophthalmia neonatorum	24	17	31
Dengue	56	61	35	Paratyphoid fever	4	9	4
Diphtheria	17	28	11	Pellagra	3	2	7
Dysentery	1	1	1	Plumbism	1,004	1,087	553
Favus	2	1	1	Pneumonia (all forms)	2	7	8
German measles	853	536	130	Polioomyelitis	4	5	—
Hookworm disease	73	96	161	Puerperal septicemia	927	664	467
Influenza	1	1	1	Scarlet fever	44	39	112
Leprosy	39	73	113	Septic sore throat	189	232	112
Lethargic encephalitis	13	17	10	Smallpox	2	2	2
Malaria	2	1	1	Tetanus	21	82	97
Measles	1	1	1	Trachoma	1	1	1
Mumps	11	11	12	Trichinosis	1,309	1,637	1,413
Ophthalmia neonatorum	2	2	3	Tuberculosis (all forms)	67	132	111
Paratyphoid fever	53	90	58	Typhoid fever	1	1	1
Pellagra	1	2	1	Typhus fever	590	669	(1)
Pneumonia (all forms)	7	4	14	Whooping cough	4	1	3
Polioomyelitis	41	22	31	Indiana:			
Scarlet fever	4	5	6	Cerebrospinal meningitis	133	142	105
Smallpox	3	1	1	Diphtheria	87	8	1
Tetanus	94	145	127	Influenza	133	263	265
Trachoma	35	62	81	Measles	1	1	1
Trichinosis	18	27	8	Pneumonia (all forms)	232	147	85
Tuberculosis (all forms)	1	1	1	Polioomyelitis	136	147	119
Typhoid fever	1	1	1	Smallpox	127	93	136
Whooping cough	18	27	8	Tuberculosis (all forms)	23	19	28
Hawaii:				Typhoid fever	2	1	2
Cerebrospinal meningitis	18	15	4	Iowa:			
Chicken pox	27	69	33	Cerebrospinal meningitis	53	40	63
Conjunctivitis (acute)	12	12	18	Diphtheria	16	13	19
Diphtheria	145	139	11	Measles	2	2	—
Hookworm disease	2	11	6	Polioomyelitis	169	113	85
Influenza	53	46	78	Scarlet fever	56	76	44
Leprosy	3	1	2	Smallpox	21	26	24
Measles	1	1	1	Cerebrospinal meningitis	3	3	—
Paratyphoid fever	3	3	3	Chicken pox	267	254	139
Scarlet fever	15	2	—	Diphtheria	146	119	100
Smallpox	26	35	69	Erysipelas	6	2	7
Tetanus	12	20	11	German measles	91	17	2
Trachoma	9	45	25	Influenza	1	1	—
Tuberculosis (all forms)	2	4	12	Lethargic encephalitis	44	44	44
Typhoid fever	5	2	7	Malaria	89	81	21
Whooping cough	1	1	1	Measles	1	46	22
Malabar:				Mumps	1	1	1
Chicken pox	2	4	12	Pneumonia (all forms)	204	161	118
Conjunctivitis	9	3	7	Polioomyelitis	75	70	45
Diphtheria	1	4	2	Scarlet fever	5	2	1
Influenza	1	1	1	Septic sore throat	161	233	298
Measles	1	1	1	Smallpox	22	32	51
Mumps	1	1	1	Tetanus	100	136	243
Rocky Mountain spotted or tick fever	1	4	16	Trachoma	1	1	—
Schistosomiasis	87	23	12	Trichinosis	161	233	298
Scarlet fever	23	14	22	Tuberculosis (all forms)	22	32	51
Smallpox	11	2	2	Typhoid fever	100	136	243
Tuberculosis (all forms)	2	6	2	Whooping cough	3	1	—
Typhoid fever	7	2	11	Louisiana:			
Whooping cough	4	1	15	Anthrax	3	2	2
Illinois:				Cerebrospinal meningitis	11	1	2
Actinomycosis	1,162	1,481	729	Chicken pox	51	33	34
Cerebrospinal meningitis	835	825	804	Diphtheria	4	13	35
Chicken pox				Dysentery			
Continued fever							
Diphtheria							

¹ No report received.

² Deaths.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Louisiana—Continued.				Massachusetts—Continued.			
Hookworm disease.....	1		3	Eczema.....	1		
Influenza.....	608	107	2	German measles.....	89	96	62
Leprosy.....	3	3		Hookworm disease.....			11
Lethargic encephalitis.....	1	2		Influenza.....	163	38	
Malaria.....	48	107	178	Ivy poisoning.....	1		
Measles.....	21	80	16	Lead colic.....		1	
Mumps.....	5		2	Lead poisoning.....	11	11	5
Pellagra.....	15	20	25	Lethargic encephalitis.....	47	29	5
Pneumonia (all forms).....	130	121	199	Malaria.....		4	5
Poliomyelitis.....	1	3	4	Measles.....	3,621	4,160	3,199
Scarlet fever.....	21	16	11	Mumps.....	506	514	375
Septic sore throat.....	1			Ophthalmia neonatorum.....	82	65	63
Smallpox.....	88	108	30	Pellagra.....	2	2	
Tuberculosis (all forms).....	1208	1192	1200	Plumbism.....		1	
Typhoid fever.....	50	65	102	Pneumonia (lobar).....	528	417	130
Whooping cough.....	32	21	39	Poliomyelitis.....	3		4
Maine:				Scarlet fever.....	743	757	470
Cerebrospinal meningitis.....	2	1		Septic sore throat.....	7	7	5
Chicken pox.....	37	34	42	Smallpox.....			1
Diphtheria.....	29	29	26	Tetanus.....	1	8	
German measles.....	5	1		Trachoma.....	7	14	9
Influenza.....	480	27	2	Trichinosis.....	1	1	1
Lethargic encephalitis.....	1		1	Tuberculosis (pulmonary).....	609	605	614
Measles.....	8	41	44	Tuberculosis (other forms).....	97	120	130
Mumps.....	3	1		Typhoid fever.....	29	36	41
Ophthalmia neonatorum.....	1			Whooping cough.....	339	416	339
Paratyphoid fever B.....	2	4	2	Michigan:			
Pellagra.....	1			Chicken pox.....	364	465	
Pneumonia (all forms).....	38	23	18	Diphtheria.....	457	501	
Poliomyelitis.....	1			Erysipelas.....	57	21	
Scarlet fever.....	164	119	76	Influenza.....	260	22	
Septic sore throat.....	2	1		Measles.....	2,738	2,913	
Smallpox.....	2			Mumps.....	411	525	
Tuberculosis (all forms).....	38	37	29	Pneumonia (all forms).....	756	601	
Typhoid fever.....	20	9	4	Poliomyelitis.....	4	1	
Whooping cough.....	29	33	118	Scarlet fever.....	629	562	
Maryland:				Septic sore throat.....	41	33	
Anthrax.....			1	Smallpox.....	130	129	
Cerebrospinal meningitis.....	1	2	1	Tuberculosis (all forms).....	497	1,062	
Chicken pox.....	330	317	181	Typhoid fever.....	67	84	
Diphtheria.....	114	111	87	Whooping cough.....	410	555	
Dysentery.....	2	3	7	Minnesota:			
Erysipelas.....	17	16	13	Cerebrospinal meningitis.....	2	12	1
German measles.....	16	14	16	Chicken pox.....	219	314	181
Influenza.....	677	89	22	Diphtheria.....	199	266	188
Jaundice.....	2		1	Dysentery.....			3
Lethargic encephalitis.....	3	10	2	Erysipelas.....	22	21	7
Malaria.....	13	18	16	Influenza.....	273	17	1
Measles.....	1,251	1,504	949	Leprosy.....		1	
Mumps.....	500	701	487	Measles.....	357	617	527
Ophthalmia neonatorum.....	1	3	4	Pneumonia (all forms).....	26	34	8
Paratyphoid fever.....	2	3	4	Poliomyelitis.....			
Pellagra.....	1		1	Scarlet fever.....	477	425	347
Pneumonia (all forms).....	450	283	126	Smallpox.....	232	238	89
Poliomyelitis.....		2	2	Trachoma.....		1	3
Scarlet fever.....	262	175	65	Tuberculosis (all forms).....	364	445	387
Septic sore throat.....	7	9	4	Typhoid fever.....	18	26	26
Smallpox.....	5		4	Whooping cough.....	161	199	131
Tetanus.....		2	1	Mississippi:			
Trachoma.....	2			Cancer.....	124	111	117
Tuberculosis (all forms).....	165	253	266	Cerebrospinal meningitis.....	1	1	
Typhoid fever.....	21	31	49	Chicken pox.....	500	373	228
Vincent's angina.....			3	Diphtheria.....	48	67	60
Whooping cough.....	118	141	140	Dysentery (amebic).....	26	82	46
Massachusetts:				Dysentery (bacillary).....	386	1,645	1,985
Actinomycosis.....		1		Hookworm disease.....	254	240	270
Cerebrospinal meningitis.....	15	9	13	Influenza.....	4,341	753	198
Chicken pox.....	419	433	325	Leprosy.....	2		
Conjunctivitis (suppurative).....	56	56	30	Malaria.....	5,031	7,516	10,745
Dermatitis.....	2	1	1	Measles.....	111	42	22
Diphtheria.....	581	558	459	Mumps.....	38	60	16
Dysentery.....	1	3		Ophthalmia neonatorum.....	14	13	12

¹ A considerable number of these cases occurred prior to the month for which reported.

² Report for June not received at time of going to press.

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases re- ported.			State and disease.	Now cases re- ported.		
	Apr.	May.	June.		Apr.	May.	June.
Mississippi—Continued.				New Mexico			
Pellagra.....	612	1,037	1,320	Cancer.....	2		
Pneumonia (all forms).....	933	337	171	Chicken pox.....	11		7
Poliomyelitis.....	1	3	3	Conjunctivitis (acute con- tagious).....		15	11
Puerperal septicemia.....	32	31	38	Diphtheria.....	70	105	85
Scarlet fever.....	15	10	20	Influenza.....	524	21	1
Smallpox.....	111	32	17	Lethargic encephalitis.....		1	
Trachoma.....	10	7	5	Malaria.....		4	9
Tuberculosis (all forms).....	320	294	322	Measles.....	3	1	
Typhoid fever.....	120	147	337	Mumps.....		13	8
Whooping cough.....	1,064	1,154	1,024	Pellagra.....			
Montana:				Pneumonia (all forms).....	47	35	6
Cancer.....	4	4	1	Poliomyelitis.....			1
Cerebrospinal meningitis.....		3	1	Puerperal septicemia.....			1
Chicken pox.....	35	48	38	Scarlet fever.....	29	44	39
Diphtheria.....	55	28	18	Septic sore throat.....			1
Erysipelas.....	1	1	1	Smallpox.....	17	11	
German measles.....			1	Trachoma.....			
Influenza.....	14		1	Tuberculosis (all forms).....	93	110	99
Lethargic encephalitis.....		1		Typhoid fever.....	3	8	26
Measles.....	5	2	2	Whooping cough.....		8	14
Mumps.....	81	39	20	New York:			
Pneumonia (all forms).....	12	7	4	Anthrax.....	1		1
Poliomyelitis.....		1		Cerebrospinal meningitis.....	29	33	24
Rocky Mountain spotted or tick fever.....	5	22	15	Chicken pox.....	1,211	1,385	1,009
Scarlet fever.....	28	25	18	Diphtheria.....	1,065	1,873	1,463
Septic sore throat.....		2		Dysentery.....	1	3	1
Smallpox.....	33	47	25	German measles.....	285	319	165
Trachoma.....		1		Influenza.....	1,540	294	102
Tuberculosis (all forms).....	9	20	19	Lethargic encephalitis.....	212	110	55
Typhoid fever.....	5	4	15	Measles.....	12,170	13,400	7,441
Whooping cough.....	35	32	24	Mumps.....	1,419	1,377	986
Nebraska:				Paratyphoid fever.....	6	8	4
Cerebrospinal meningitis.....			1	Pneumonia (all forms).....	3,395	2,797	1,395
Chicken pox.....	68	66	113	Poliomyelitis.....	8	13	4
Diphtheria.....	37	32	44	Puerperal septicemia.....	22	29	23
German measles.....	5		1	Scarlet fever.....	2,422	2,451	1,207
Influenza.....	108	3		Septic sore throat.....	40	19	2
Lethargic encephalitis.....	1	1	2	Smallpox.....	7	20	57
Measles.....	374	200	187	Tetanus.....	11	11	8
Mumps.....	60	86	54	Trachoma.....	5	3	3
Pneumonia.....	2	5		Tuberculosis (all forms).....	1,925	2,342	2,009
Poliomyelitis.....		1	1	Typhoid fever.....	104	140	120
Scarlet fever.....	90	66	56	Typhus fever.....			1
Smallpox.....	41	46	19	Vicent's angina.....		13	6
Tetanus.....			1	Whooping cough.....	1,131	1,196	1,324
Tuberculosis.....	14	3	31	North Carolina:			
Typhoid fever.....		4	4	Cerebrospinal meningitis.....		6	4
Whooping cough.....	8	28	15	Chicken pox.....	520	368	159
New Jersey:				Diphtheria.....	110	90	124
Anthrax.....	1			German measles.....	2	6	3
Arsenic poisoning.....			2	Measles.....	173	392	152
Cerebrospinal meningitis.....	9	9	11	Ophthalmia neonatorum.....	1		1
Chicken pox.....	599	529	384	Poliomyelitis.....		2	3
Diphtheria.....	423	475	385	Scarlet fever.....	82	76	76
Dysentery.....		4	2	Septic sore throat.....	12	7	7
Epilepsy.....	5	2	5	Smallpox.....	133	139	106
German measles.....	111	145	68	Typhoid fever.....	39	98	285
Influenza.....	116	43	15	Whooping cough.....	646	963	804
Lead poisoning.....	6	3	8	North Dakota:			
Malaria.....	7	4	11	Chicken pox.....	11	9	4
Measles.....	4,064	5,046	2,853	Diphtheria.....	26	12	16
Mercury poisoning.....				Influenza.....	22	22	1
Ophthalmia neonatorum.....	5	3	4	Measles.....	1	3	2
Paratyphoid fever.....			1	Mumps.....	1		
Pneumonia (all forms).....	597	484	197	Pneumonia (broncho).....	1		
Poliomyelitis.....	4	3	3	Pneumonia (lobar).....	1		
Scarlet fever.....	991	972	517	Scarlet fever.....	75	48	20
Smallpox.....		2		Smallpox.....	72	84	25
Trachoma.....	3	5	1	Tuberculosis (all forms).....		9	3
Tuberculosis (all forms).....	439	503	525	Typhoid fever.....		1	3
Typhoid fever.....	37	32	50	Whooping cough.....		6	9
Typhus fever.....		1					
Whooping cough.....	420	548	519				

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
Ohio:				Pennsylvania—Continued.			
Cerebrospinal meningitis.....	9	6	7	German measles.....	391	456	231
Chicken pox.....	708	654	372	Glanders.....	1		
Diphtheria.....	571	490	436	Impetigo contagiosa.....	20	37	11
Dysentery.....		1		Lead poisoning.....	2		
Erysipelas.....	35	33	28	Malaria.....	1		
German measles.....	108	164	65	Mumps.....	3,413	5,960	5,108
Influenza.....	181	41	11	Ophthalmia neonatorum.....	1,110	824	369
Lethargic encephalitis.....	7	4		Pellagra.....	10	9	5
Malaria.....		1		Pneumonia.....	1		1
Measles.....	3,268	5,627	3,723	Polioomyelitis.....	569	409	222
Mumps.....	363	252	129	Puerperal fever.....	4	4	1
Ophthalmia neonatorum.....	136	137	144	Scarlet fever.....	6	8	2
Pneumonia (all forms).....	542	406	183	Scabies.....	83	66	36
Polioomyelitis.....	2	2	4	Smallpox.....	1,559	1,185	685
Scarlet fever.....	727	588	452	Tetanus.....	9	2	
Smallpox.....	300	241	160	Trachoma.....	6	3	2
Trachoma.....	15	10	12	Trichinosis.....		1	
Tuberculosis (all forms).....	648	725	438	Tuberculosis.....	607	586	297
Typhoid fever.....	45	122	119	Typhoid fever.....	86	186	207
Whooping cough.....	798	1,140	1,042	Whooping cough.....	877	1,026	1,071
Occupational diseases—				Rhode Island:			
Bronchitis.....	1			Cerebrospinal meningitis.....	1		1
Dermatitis.....	37	63	46	Chicken pox.....	18	10	5
Poisoning—				Diphtheria.....	55	63	37
Aniline.....	1			German measles.....	1	12	2
Benzene.....		2		Influenza.....	65	13	
Benzol.....				Malaria.....	1	2	
Lead.....	16	7	7	Measles.....	14	37	15
Lead (suspected).....	15	10		Mumps.....	17	8	8
Mercury.....	1			Ophthalmia neonatorum.....	3	1	
Paranitraniline.....			1	Pneumonia (all forms).....	7	8	4
Paratoluidine.....	2			Polioomyelitis.....			5
Oklahoma:				Scarlet fever.....	31	37	12
Chicken pox.....	32	28	3	Septic sore throat.....	2	15	3
Cholera infantum.....		18		Smallpox.....			1
Diphtheria.....	14	5	12	Tetanus.....			2
Dysentery.....	2	5		Trachoma.....	1	1	
Influenza.....	72	45		Tuberculosis (all forms).....	80	50	66
Malaria.....	1	8	4	Typhoid fever.....	1		1
Measles.....	5		6	Whooping cough.....	20	39	34
Pellagra.....	1	3		South Carolina:			
Pneumonia (all forms).....	68	38	6	Cancer.....	3		
Puerperal septicemia.....	3	3	2	Cerebrospinal meningitis.....	1		2
Scarlet fever.....	10	13	6	Chicken pox.....	29	28	12
Smallpox.....	175	52	13	Diphtheria.....	67	176	110
Trachoma.....		2		Dysentery.....	2		2
Tuberculosis (all forms).....	13	15	36	Hookworm disease.....	5	12	40
Typhoid fever.....	3	18	35	Influenza.....	61	20	
Whooping cough.....			12	Malaria.....	30	6	5
Oregon:				Measles.....	4	1	1
Anthrax.....			1	Mumps.....	1		
Chicken pox.....	59	52	38	Ophthalmia neonatorum.....	1		
Diphtheria.....	55	54	54	Paratyphoid fever.....	1		
Erysipelas.....	14	12		Pellagra.....	5	8	3
Influenza.....	5	2		Pneumonia (all forms).....	22	5	1
Lethargic encephalitis.....	3	1		Polioomyelitis.....		1	2
Measles.....	14	8	6	Scarlet fever.....	4	2	3
Mumps.....	37	23	14	Septic sore throat.....	8		
Pneumonia.....	5	1		Smallpox.....	41	21	14
Rocky Mountain spotted or tick fever.....	4	5	1	Tuberculosis (all forms).....	9	10	14
Scarlet fever.....	34	42	31	Typhoid fever.....	16	15	96
Septic sore throat.....	60	2	6	Whooping cough.....	78	6	42
Smallpox.....	82	33	59	South Dakota:			
Tuberculosis.....	55	38	56	Cerebrospinal meningitis.....	1	1	2
Typhoid fever.....	6	13	10	Chicken pox.....	25	59	19
Whooping cough.....	16	17	16	Diphtheria.....	22	15	21
Pennsylvania:				Erysipelas.....		5	
Anthrax.....	6			Influenza.....	16		
Cerebrospinal meningitis.....	13	12	7	Measles.....	30	7	14
Chicken pox.....	1,870	1,598	977	Paratyphoid fever.....	1		
Diphtheria.....	1,085	846	743	Pneumonia (all forms).....	17	20	5
Encephalitis.....	37	25	14	Polioomyelitis.....		1	1
Erysipelas.....	82	82	28				

STATE REPORTS FOR APRIL, MAY, AND JUNE, 1922—Continued.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Apr.	May.	June.		Apr.	May.	June.
South Dakota—Continued.				Washington—Continued.			
Rocky mountain spotted or tick fever.....		1		Septic sore throat.....		1	
Scarlet fever.....	72	59	18	Smallpox.....	172	109	66
Small pox.....	62	55	39	Tuberculosis (all forms).....	113	146	355
Tetanus.....			1	Typhoid fever.....	9	21	56
Trachoma.....		3	3	Whooping cough.....	128	166	
Trichinosis.....			1	West Virginia.			
Tuberculosis (all forms).....	26	15	16	Cerebrospinal meningitis.....	2	1	3
Typhoid fever.....	3	3	8	Chicken pox.....	159		86
Whooping cough.....	10	1	17	Diphtheria.....	85	85	81
Vermont:				Influenza.....	699	30	18
Cerebrospinal meningitis.....		1		German measles.....	2	36	
Chicken pox.....	70	84	91	Hookworm disease.....		1	
Diphtheria.....	23	21	16	Measles.....	297	67	131
Erysipelas.....			3	Ophthalmia neonatorum.....		1	4
German measles.....	9		8	Pellagra.....			1
Influenza.....	14			Poliomyelitis.....		2	
Measles.....	68	174	79	Scarlet fever.....	115	57	40
Mumps.....	38	43	19	Smallpox.....	92	36	56
Pneumonia (all forms).....	19	3	5	Tuberculosis.....			91
Poliomyelitis.....		1		Trachoma.....	1	1	11
Scarlet fever.....	146	109	60	Typhoid fever.....	48	42	45
Smallpox.....		1	1	Whooping cough.....	56	44	48
Tuberculosis (all forms).....	19	12	28	Wisconsin:			
Typhoid fever.....	2	1	3	Cerebrospinal meningitis.....	9	11	4
Whooping cough.....	50	76	79	Chicken pox.....	374	519	411
Virginia:				Diphtheria.....	214	144	161
Cerebrospinal meningitis.....	13	2	5	Erysipelas.....	34	23	15
Chicken pox.....	345	273	164	German measles.....	49	127	57
Diarrhea.....	190	844	1,903	Influenza.....	2,475	279	34
Diphtheria.....	100	90	92	Lethargic encephalitis.....	3	1	
Hookworm disease.....	9	31	25	Measles.....	80	167	307
Influenza.....	3,285	898	252	Ophthalmia neonatorum.....		1	2
Leprosy.....	1			Pneumonia (all forms).....	115	160	37
Malaria.....	123	224	327	Poliomyelitis.....	1	1	
Measles.....	867	868	497	Scarlet fever.....	376	343	197
Pellagra.....	17	23	35	Smallpox.....	112	188	129
Poliomyelitis.....	4	4	9	Trachoma.....	5		1
Scarlet fever.....	61	71	63	Tuberculosis (all forms).....	185	226	285
Smallpox.....	43	29	21	Typhoid fever.....	25	35	40
Tuberculosis (all forms).....	311	340	296	Whooping cough.....	375	783	668
Typhoid fever.....	50	76	207	Wyoming:			
Washington:				Chicken pox.....	32		4
Cerebrospinal meningitis.....	2	3	1	Diphtheria.....	6	8	
Chicken pox.....	189	220	254	Dysentery.....			10
Diphtheria.....	176	92	64	Erysipelas.....	2		
Erysipelas.....	1	1	2	Hookworm disease.....			1
German measles.....	1	4	4	Influenza.....	124	22	
Influenza.....	27	15		Measles.....	4	3	
Lethargic encephalitis.....		1		Paratyphoid fever.....	1		
Measles.....	28	45	135	Pneumonia (all forms).....	33	29	5
Mumps.....	201	193	102	Rocky Mountain spotted or tick fever.....	4	28	34
Pneumonia (all forms).....	53	76	29	Scarlet fever.....	10	4	4
Poliomyelitis.....	1	1	1	Smallpox.....	29	19	12
Rocky Mountain spotted or tick fever.....		4		Tuberculosis (all forms).....	11	20	8
Scarlet fever.....	91	68	52	Typhoid fever.....	6	7	8
				Whooping cough.....	8		

STATE REPORTS FOR MARCH, 1922 (DELAYED).¹

	New cases reported.		New cases reported.
ANTHRAX.		SMALLPOX—continued.	
Pennsylvania:		Montana—Continued.	
Philadelphia County—		Gallatin County.....	5
Philadelphia.....	3	Judith Basin County.....	1
CEREBROSPINAL MENINGITIS.		Lewis and Clark County.....	2
Montana:		Musselshell County.....	5
Blaine County.....	1	Park County.....	1
Silver Bow County.....	1	Phillips County.....	12
Total.....	2	Pondera County.....	3
New Mexico:		Roosevelt County.....	11
Socorro County.....	1	Sanders County.....	2
		Stillwater County.....	2
Pennsylvania:		Wheatland County.....	3
Allegheny County.....	2	Yellowstone County.....	1
Cambria County.....	2	Total.....	83
Philadelphia County.....	4	New Mexico:	
Total.....	8	Curry County.....	1
INFLUENZA.		Grant County.....	2
Arizona:		Santa Fe County.....	1
Coconino County.....	5	Union County.....	2
Gila County.....	9	Total.....	6
Total.....	14	Pennsylvania:	
Montana.....	1,410	Lebanon County.....	5
New Mexico:		Philadelphia County.....	2
Bernalillo County.....	256	Total.....	7
Chaves County.....	56	TYPHOID FEVER.	
Colfax County.....	82	Arizona:	
Curry County.....	28	Maricopa County.....	2
De Baca County.....	4	Montana:	
Dona Ana County.....	1,360	Carbon County.....	3
Eddy County.....	9	Judith Basin County.....	1
Grant County.....	37	Lincoln County.....	1
Luna County.....	48	Sanders County.....	1
Mora County.....	5	Yellowstone County.....	1
Otero County.....	112	Total.....	7
Quay County.....	10	New Mexico:	
Rio Arriba County.....	37	Chaves County.....	1
Sandoval County.....	3	Santa Fe County.....	1
San Miguel County.....	10	Taos County.....	1
Santa Fe County.....	341	Total.....	3
Socorro County.....	9	Pennsylvania:	
Taos County.....	22	Adams County.....	1
Torrance County.....	88	Allegheny County.....	10
Union County.....	17	Armstrong County.....	2
Valencia County.....	40	Beaver County.....	3
Total.....	2,574	Berks County.....	7
SMALLPOX.		Blair County.....	1
Arizona:		Bucks County.....	2
Cochise County.....	2	Center County.....	2
Gila County.....	1	Chester County.....	1
Maricopa County.....	3	Clinton County.....	2
Pima County.....	11	Columbia County.....	2
Yuma County.....	5	Crawford County.....	1
Total.....	22	Cumberland County.....	1
Montana:		Dauphin County.....	1
Beaverhead County.....	2	Delaware County.....	3
Carbon County.....	1	Erie County.....	2
Cascade County—		Fayette County.....	2
Great Falls.....	19	Franklin County.....	3
Scattering.....	7	Leicester County.....	1
Custer County.....	1	Lehigh County.....	2
Danils County.....	5	Luzerne County.....	2
		Lycoming County.....	1
		Mercer County.....	6

¹ These reports were received too late to be included in the State reports for January, February, and March, 1922, published in the Public Health Reports, June 2, 1922.² Nine deaths.

STATE REPORTS FOR MARCH, 1922 (DELAYED)—Continued.

	New cases reported.		New cases reported.
TYPHOID FEVER—continued		SUMMARY OF DISEASES—continued.	
Pennsylvania—Continued.		Montana—Continued.	
Mifflin County.....	1	Smallpox.....	83
Montgomery County.....	4	Tuberculosis.....	57
Northampton County.....	4	Typhoid fever.....	7
Schuylkill County.....	2	Whooping cough.....	31
Snyder County.....	2	New Mexico:	
Tioga County.....	1	Cerebrospinal meningitis.....	1
Venango County.....	1	Diphtheria.....	98
Washington County.....	2	Influenza.....	2,574
Westmoreland County.....	2	Measles.....	6
York County.....	1	Pneumonia (all forms).....	129
Total.....	81	Scarlet fever.....	32
SUMMARY OF DISEASES.		Smallpox.....	6
Arizona:		Tuberculosis (all forms).....	127
Chicken pox.....	8	Typhoid fever.....	3
Diphtheria.....	6	Pennsylvania:	
Influenza.....	14	Anthrax.....	3
Measles.....	1	Cerebrospinal meningitis.....	8
Scarlet fever.....	11	Chicken pox.....	2,168
Smallpox.....	122	Diphtheria.....	1,283
Typhoid fever.....	2	Encephalitis.....	11
Whooping cough.....	13	Erysipelas.....	117
Montana:		German measles.....	159
Cancer.....	2	Impetigo contagiosa.....	39
Cerebrospinal meningitis.....	2	Measles.....	2,360
Chicken pox.....	43	Mumps.....	1,305
Diphtheria.....	43	Ophthalmia neonatorum.....	13
Erysipelas.....	8	Pneumonia (all forms).....	794
Influenza.....	1,410	Puerperal septicemia.....	3
Measles.....	7	Scabies.....	77
Mumps.....	125	Scarlet fever.....	2,123
Pneumonia.....	29	Smallpox.....	7
Scarlet fever.....	81	Tetanus.....	6
Septic sore throat.....	2	Trachoma.....	3
		Tuberculosis (all forms).....	602
		Typhoid fever.....	81
		Whooping cough.....	942

¹ Nine deaths.

5735°—22—6

FOREIGN AND INSULAR.

CHOLERA AND TYPHUS FEVER ON VESSEL.

Steamship "*Chios*"—At Kavak—From Black Sea Port.

Information dated August 10, 1922, shows the occurrence of cholera and typhus fever on the Greek vessel *Chios* at Kavak quarantine station, on the Bosphorus.

Cholera.—The *Chios* arrived July 18, 1922, at Kavak from Novorossysk, a Russian port on the Black Sea, with 4,500 refugees on board destined for Saloniki, Greece. The vessel gave a history of having buried six passengers at sea. During the stay of the *Chios* at Kavak 12 bodies were landed. Nine sick cases were landed, one of which was cholera. The cholera patient was stated to have been recognized as a carrier the day before the disease developed.

Typhus Fever.—Of nine sick cases landed from the *Chios* at Kavak one was verified as typhus fever.

The *Chios* left Kavak July 22, 1922.¹

TYPHOID FEVER ON VESSEL.

Steamship "*Atlantehavet*"—At Mobile, Ala.—From Gibraltar, via New York and Pensacola.

The Danish steamship *Atlantehavet*, arriving at Mobile, Ala., August 5, from Gibraltar July 6, via New York, July 20, and Pensacola Fla., July 30, reported 13 cases of illness among a crew of 32 men. Three patients were landed at New York, one of whom subsequently died of typhoid fever. Of the three hospitalized at Pensacola, two were found to be suffering from typhoid fever, and of those removed from the vessel at Mobile, one had typhoid fever.

Measures to prevent further infection were instituted by the service officer in charge of the Marine Hospital at Mobile.

CHINA.

Cholera—Shanghai.

On July 29, 1922, there were stated to be 250 cases of cholera in the Chinese isolation hospital at Shanghai, China.

¹ For previous occurrence of cholera on vessel carrying refugees from Russia to Saloniki, see Public Health Reports, July 14, 1922, p. 1767.

MADAGASCAR.**Plague—Tamatave.**

Plague was reported present at Tamatave, Madagascar, August 21, 1922.

NORWAY.**Typhus Fever—Finmarken.**

Information received under date of July 26, 1922, indicated the presence of typhus fever in Finmarken, the most northern Province of Norway and adjoining the frontier of Russia. Under date of August 5, typhus fever was reported present in epidemic form, with about 12 cases and two deaths. Three localities were reported infected. The source of the infection was believed to be Lapps arriving with reindeer herds from Russia. It was stated that medical aid was sent to the infected region by airplane from Hammerfest.

POLAND.**Cholera—Rovno.**

During the week ended August 5, 1922, 30 cases of cholera with seven deaths were reported at Rovno, Poland.¹

Rovno is a repatriation station for persons returning from Russia into Poland.

Cholera—Zamosc.

Under date of August 21, 1922, one fatal case of cholera was reported at Zamosc.

RUMANIA.**Entry of Refugees from Russia Prohibited.**

According to information dated July 27, 1922, entry into Rumania of refugees from Russia has been temporarily prohibited by the Rumanian Government on account of the prevalence of cholera in the Ukraine, Russia.

SPAIN.**Typhoid Fever Epidemic—Vicinity of Barcelona.**

Typhoid fever in epidemic form was reported present in a village 25 miles distant from Barcelona, Spain, during the week ended July 19, 1922.

TUNIS.**Plague Focus—Tunis.**

On July 26, 1922, a focus of plague was reported present in the city of Tunis. The cases occurred among the staff of a native bath

¹ Public Health Reports, July 21, 1922, p. 1819, and Aug. 25, 1922, p. 2079.

establishment on July 20 and 21, respectively. One of the cases terminated fatally July 27, 1922.

It is believed that fuel for heating the baths, which was stored in the establishment and on a level with the soil, afforded a harborage for rats.

UNION OF SOUTH AFRICA.

Anthrax.

During the week ended June 29, 1922, outbreaks of anthrax were reported in the Union of South Africa, occurring in the Cape Province on farms in four districts and in the Transvaal on farms in three districts.

Influenza.

During the week ended June 24, 1922, a mild form of influenza was reported prevalent in the Cape Province, and at Pretoria, Transvaal, a number of cases were reported, occurring mostly among Europeans. During the week ended July 1, 1922, influenza was reported still present in the Cape Province, with a considerable outbreak in Swellendam, town and district, and mild outbreaks were reported being dealt with in other centers of the Union.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During Week Ended September 1, 1922.¹

The reports contained in the following tables must not be considered as complete or final, either as regards the list of countries included or the figures for the particular countries for which reports are given.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Shanghai.....	July 29.....			Stated to be 250 cases in Chinese isolation hospital.
India.....				Apr. 30-June 10, 1922: Cases, 15,725; deaths, 13,174.
Bombay.....	June 11-17.....	9	2	
Calcutta.....	July 2-15.....	16	16	
Madras.....	July 16-22.....	2	1	
Rangoon.....	June 24-July 8.....	14	14	
Philippine Islands:				
Manila.....	July 2-15.....	4		
Province:				
Bataan.....	June 4-10.....	1		
Batangas.....	June 11-24.....	14	10	
Do.....	June 25-July 1.....	2	1	
Pampanga.....	June 18-24.....	2	1	
Do.....	July 2-8.....	1	1	
Poland:				
Rovno.....	July 30-Aug. 5.....	30	7	Repatriation station.
Zamosc.....	Aug. 21.....		1	
Rumania:				
Crangasi.....	July 31.....	1		Suburb of Bucharest.
Syria:				
Aleppo.....	July 23-29.....			Present.

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended September 1, 1922—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
On vessel: S. S. Chios.....	July 16.....	1		At Kavak quarantine station Bosphorus, from Novorossiysk, a Russian Black Sea port. Case occurred in a recognized carrier. Vessel carried refugees for Saloniki, Greece. Six bodies buried at sea, 12 landed at Kavak during stay.

PLAGUE.

Asia Minor: Smyrna.....	July 2-8.....	1		
Azores: St. Michaels Island.....	July 9-22.....	5		
Brazil: Bahia.....	June 11-17.....	1		
British East Africa: Kenya Colony.....	May 1-31.....	83	77	
Ceylon: Colombo.....	July 2-15.....	4	2	Plague rats, 7.
China: Amoy.....	July 2-15.....		50	
Foochow.....	July 2-8.....	2		
Hongkong.....	June 25-July 15.....	80	56	
Greece: Patras.....	May 29-June 25.....	5		
Egypt.....				Jan. 1-July 27, 1922: Cases, 397; deaths, 176.
City— Alexandria.....	July 22-24.....	3	1	
Port Said.....	July 21-25.....	5	3	Foreign cases, 2; deaths, 2.
Province— Assiout.....	July 24-25.....	4	1	
Benisouef.....	July 23-25.....	6	1	
India: Calcutta.....	July 2-15.....	6	6	
Rangoon.....	June 25-July 8.....	61	55	
Japan: Osaka.....	July 11-20.....	7	6	
Madagascar: Tamatave.....	Aug. 21.....			Present.
Palestine: Jerusalem.....	July 18-31.....	5		
Tunis: Tunis.....	July 27.....		1	July 20, 21: Cases reported.

SMALLPOX.

Arabia: Aden.....	July 16-22.....	9	5	
Asia Minor: Smyrna.....	July 2-8.....	1		District.
Brazil: Bahia.....	June 25-July 1.....	1	1	
British East Africa: Kenya Colony.....				May 1-31, 1922: Cases, 4.
Dar es Salaam.....	June 24-July 1.....	2		
Chosen (Korea): Fusan.....	June 1-30.....	29	7	
Seoul.....	do.....	11	3	
Dominican Republic: San Pedro de Macoris.....	July 16-29.....	62	1	Including vicinity.
Santo Domingo.....	July 30-Aug. 5.....			A few cases in city and vicinity
Egypt: Cairo.....	May 7-13.....	1		
Port Said.....	do.....	1		
Finland: Do.....	June 16-30.....	1		
	July 1-15.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received During Week Ended September 1, 1922—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
India:				June 4-10, 1922: Cases, 941; deaths, 294.
Bombay.....	June 11-17.....	6	3	
Cakutta.....	July 2-15.....	5	5	
Madras.....	July 9-15.....	28	20	
Rangoon.....	June 24-July 8.....	16	6	
Japan:				Including municipalities in Federal district.
Taiwan Island.....	July 11-20.....	27	5	
Mexico:				
Mexico City.....	June 25-July 15.....	68		
Torreón.....	July 1-31.....		1	
Portugal:				2
Lisbon.....	July 10-30.....	33	11	
Spain:				
Huelva.....	May 1-June 30.....		2	
Switzerland:				
Lucerne.....	July 1-31.....	1		Outbreaks.
Zürich.....	July 23-29.....	3		
Turkey:				
Constantinople.....	July 16-29.....	5		
Union of South Africa:				
Cape Province.....	June 25-July 1.....			
Southern Rhodesia.....	June 29-July 12.....	29		
Transvaal—				
Johannesburg.....	May 1-31.....	1		

TYPHUS FEVER.

Austria:				
Vienna.....	July 9-15.....	1		
China:				
Hankow.....	do.....	1	1	
Egypt:				
Cairo.....	May 7-13.....	5	4	
Germany:				
Berlin.....	June 11-24.....		6	
Do.....	June 25-July 1.....		3	
Coblenz.....	July 30-Aug. 5.....	1		
Mexico:				
Mexico City.....	June 25-July 8.....	23		Including municipalities in Federal district.
Norway:				
Province—				
Finmarken.....	July 26-Aug. 5.....	12	2	Occurring in three localities.
Spain:				
Barcelona.....	July 13-19.....		1	
Turkey:				
Constantinople.....	July 16-22.....	2		
Union of South Africa:				
Cape Province.....	June 18-24.....			Outbreaks.
Natal.....	June 25-July 1.....			Do.
Orange Free State.....	June 18-24.....			Do.
Transvaal.....	June 18-July 1.....			Do.
Johannesburg.....	May 1-31.....	3		
On vessel:				
S. S. Chios.....	July 16.....	1		At Kavak quarantine station, Bosphorus, from Novorossysk, a Russian Black Sea port. Vessel carried refugees for Saloniki, Greece.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to August 25, 1922.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	May 14-June 24....	1	4	
Shanghai.....	June 25-July 31....	198		Aug. 4-10: Deaths, 11.
Tientsin.....	July 25.....	2	2	Foreign concession.
Greece:				
Athens.....	June 29.....	1	1	
Saloniki.....	June 7-17.....	30	11	At quarantine station, among passengers from vessel carrying Russian refugees.
India:				Feb. 26-Apr. 29, 1922: Deaths, 17,196. (Report for week ended Feb. 25, 1922, not received.)
Bombay.....	Apr. 23-June 3.....	3	3	
Calcutta.....	Apr. 23-June 24....	536	378	
Do.....	June 25-July 1.....	10	10	
Madras.....	May 21-June 17....	3	1	
Rangoon.....	May 7-June 24.....	116	65	
Philippine Islands:				
Manila.....	May 21-June 24....	8		
Do.....	June 25-July 1.....	1		
Province—				
Batangas.....	May 26-June 3.....	1	1	
Bulacan.....	Apr. 30-May 6.....	1	1	
Camarines Sur.....	Mar. 25-Apr. 1.....	1	1	
Laguna.....	Apr. 16-22.....	1		
Mindoro.....	Apr. 23-29.....	1		
Nueva Ecija.....	June 11-17.....	1	1	
Pampanga.....	Apr. 16-June 17....	4	4	
Rizal.....	Apr. 2-May 27.....	2	1	
Tarlac.....	May 21-June 10....	4	4	
Poland:				
Rovno.....	June 10-16.....	5	2	Repatriation station: Cases occurring among persons repatriated from Russia.
Do.....	July 11-17.....	3	1	
Rumania:				
Crangasi.....	July 15.....	10	6	Suburb of city of Bucharest. Outbreak. First case in soldier from frontier on Dniester River.
Siam:				
Bangkok.....	Apr. 30-June 17....	15	9	
Syria:				
Aleppo.....	May 27-June 3.....			A few cases in interior.
Do.....	June 25-July 22....			Present in interior.

PLAGUE.

Asia Minor:				
Smyrna.....	May 28-June 17....	3	1	
Do.....	June 30-July 1.....	1		
Australia:				
New South Wales—				
Sydney.....	June 1-15.....	2		Apr. 2-June 10, 1922: 19 plague-infected rats found.
Azores:				
St. Michaels Island.....	June 25-July 1....	13	3	At Arrifes and Ribeira, about 9 miles from port of Ponta Delgada.
Brazil:				
Bahia.....	May 7-June 4.....			Rodent; occurring in a section of the city. Many dead rats found.
Pernambuco.....	May 7-13.....	1		
British East Africa:				
Kenya Colony.....				Mar. 1-Apr. 30, 1922: Cases, 104; deaths, 95.
Nairobi.....	Feb. 1-28.....	15	15	
Ceylon:				
Colombo.....	May 6-June 24....	13	10	Plague rats, 5.
Do.....	June 25-July 1.....		1	
China:				
Amoy.....	May 7-June 24.....		87	May 20: From 10 to 20 deaths reported daily.
Do.....	June 25-July 1.....		26	
Canton.....	May 1-June 30....	28	23	

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to August 25, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Foochow.....	May 7-June 10....	5	4	June 17-24: Present. June 21: Mildly epidemic; 2 fatal cases in foreign physicians.
Do.....	June 25-July 1.....			Prevalent.
Hongkong.....	June 4-24.....	176	104	
Ecuador:				
Guayaquil.....	June 1-15.....			Rats found infected, 16; examined, 3,400.
Do.....	July 1-15.....			Rats examined, 4,460; found infected, 4.
Egypt:				
City.....				Jan. 1-June 29, 1922: Cases, 280; deaths, 120. Jan. 1-July 20, 1922: Cases, 380; deaths, 169.
Alexandria.....	June 1-28.....	21	6	
Do.....	July 2-14.....	6	3	
Port Said.....	June 12-25.....	2	5	Septicemic.
Do.....	July 2-19.....	17	14	July 3-22, 1922: Cases, 15; deaths, 16.
Suez.....	May 24-June 25.....	7	6	
Do.....	July 10.....	1	1	
Province—				
Assiout.....	May 30-June 23.....	14	8	Septicemic, 1.
Do.....	July 11.....	1	1	
Benisuef.....	May 26-June 30.....	19	7	
Do.....	July 2-20.....	21	11	
Fayoum.....	June 2-29.....	8	4	
Do.....	July 2-20.....	13	3	
Gharbieh.....	May 26-June 30.....	37	13	
Do.....	July 2.....	3		
Menoufieh.....	July 20.....	1	1	
Mitfeh.....	June 2-29.....	24	7	
Do.....	July 14-18.....	9	5	
Greece:				
Patras.....	Apr. 24-May 14.....		3	
Hawaii:				
Hamakua.....	June 30-July 4.....	1	1	At Kalopa Homesteads. Case Hawaiian.
Do.....	July 8.....			Hamakua Mill Co. One plague rat trapped; found positive, July 14, 1922.
Kalopa.....	July 13.....	1	1	Contact with case at Kalopa Homesteads, July 4.
Pauhau.....	June 30.....			One plague rat trapped at Pauhau Gulch, June 29; found positive, June 30, 1922.
Pauilo.....	July 7.....		1	At Pokaheha. Japanese.
India:				
Bombay.....	Apr. 23-June 10.....	157	115	Apr. 23-June 17, 1922: Cases, 6,075; deaths, 4,642.
Calcutta.....	Apr. 23-June 24.....	56	54	
Do.....	June 25-July 1.....	3	3	
Karachi.....	May 23-June 24.....	59	55	
Do.....	June 25-July 8.....	3	3	
Madras Presidency.....	May 21-June 24.....	74		
Do.....	June 25-July 8.....	46		
Rangoon.....	May 6-June 24.....	175	161	
Indo-China:				
Saigon.....	Apr. 23-June 24.....	30	21	
Japan:				
Osaka.....	July 13.....	9	8	Reported as having occurred during past month.
Java:				
East Java—				
Soerabaya.....	May 7-13.....	2	2	Month of April, 1922: Report of the 7 Provinces of Java: Cases, 413; deaths, 408. May 1-31, 1922: Cases, 293; deaths, 310, occurring in 6 Provinces.
Soerakarta—	May 20.....			Epidemic.
Keporen.....				
Madagascar:				
Tananarive Province—				
Anketrina.....	May 4.....		1	Native village; disease stated to have been present since about Apr. 27, 1922. (Name of locality corrected.)
Tananarive.....	May 29-June 4.....	1		
Mesopotamia:				
Bagdad.....	Apr. 1-May 31.....	158	110	
Mexico:				
Vera Cruz.....	June 30.....			One plague-infected rat.
Palestine:				
Jerusalem.....	July 4-17.....	20	2	In native quarter of Jaffa.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to August 25, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru.....				May 1-15, 1922: Cases, 36; deaths, 19. June 1-30, 1922: Cases, 87; deaths, 15.
Philippine Islands:				
Manila.....	June 3.....	1	1	From S. S. Taisang from Amoy, China.
Senegal:				
Dakar.....	June 1-30.....	1	1	
Siam:				
Bangkok.....	Apr. 30-June 3....	4	3	
Straits Settlements:				
Singapore.....	Apr. 30-June 24...	8	9	
Tunis:				
Tunis.....	June 30-July 9....	3		
Union of South Africa:				
Orange Free State—				
Grootkom Farm.....	May 7-13.....			One dead plague-infected rodent found. Locality adjoins Tru-cart's Berg Farm, on which plague-infected mouse was found preceding week.
Rendezvous Ry Sta-	May 14-20.....			Plague-infected wild rodent found near.
tion.				
On vessels:				
S. S. Ardeola.....	June 25-July 8....			At Liverpool. Four plague-in-fected rats found dead. Vessel from Las Palmas, Canary Is-lands, June 23, 1922.
Greek vessel ———	July 19.....			At Messina, Italy. Cases on board. Vessel not allowed to enter.
S. S. Southgate.....	May 30.....	1		At Thursday Island quarantine, Australia. Vessel left Okhotsk May 2; Rangoon, May 9. Ves-sel badly rat infested.
S. S. Taisang.....	June 1-3.....	1	1	At Manila, P. I., from Amoy, China. Patient landed at Ma-nila June 1, 1922. The Taisang was 21 days en route direct from Amoy.

SMALLPOX.

Arabia:				
Aden.....	May 7-June 24....	69	21	
Do.....	July 2-15.....	26	8	
Argentina:				
Rosario.....	June 1-30.....		3	
Asia Minor:				
Smyrna.....	May 14-June 24....	4		In district.
Do.....	June 25-July 1....	1		
Bolivia:				
La Paz.....	Mar. 1-Apr. 30....	97	16	
Brazil:				
Para.....	May 29-June 25....	8		
Do.....	July 3-23.....	42	1	
Rio de Janeiro.....	May 14-June 24....	48	12	
Do.....	June 25-July 15....	22	7	
Sao Paulo.....	Apr. 10-June 11....	3	10	
British East Africa:				
Kenya Colony.....				Apr. 1-30, 1922: Cases, 6.
Dar es Salaam.....	Apr. 16-June 10....	26		
Nairobi.....	Mar. 1-31.....	22	2	
Zanzibar.....	May 1-June 10....	36	6	
Canada:				
Alberta—				
Calgary.....	June 18-24.....	1		
Manitoba—				
Winnipeg.....	May 6-June 17....	3		
New Brunswick—				
Kent County.....	June 25-July 1....	2		
Madawaska County....	June 4-17.....	6		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from July 1 to August 25, 1922—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Ontario—				
Hamilton.....	July 30-Aug. 12....	2	.....
North Bay.....	June 3-17.....	2	.....
Do.....	July 16-29.....	2	.....
Ottawa.....	June 11-July 1....	17	.....
Do.....	July 2-Aug. 5.....	11	.....
Toronto.....	June 18-July 29...	6	.....
Ceylon:				
Colombo.....	May 14-20.....	1	.....
Chile.				
Concepcion.....	Mar. 14-June 20....	.....	71	Prevalent, July 3, 1922, throughout southern Provinces.
Do.....	June 27-July 3.....	.....	5	
Quillon.....	.....	.....	.....	In Concepcion Province: epidemic in May, 1922, with 60 reported cases. To June 5: Epidemic.
Do.....	June 27-July 3.....	.....	.....	Epidemic.
San Patricio.....	May 16-22.....	13	.....
Talcahuano.....	May 22-June 24....	33	19	May 18-22, 1922: Present.
Temuco.....	.....	.....	.....	Province of Cautin; epidemic May, 1922.
Valparaiso.....	Mar. 26-Apr. 22....	.....	52	Incomplete; several districts not reporting.
China:				
Amoy.....	May 7-20.....	.....	.....	Present June 18-24: 1 death.
Antung.....	May 29-June 18....	.....	.....
Do.....	July 3-9.....	1	.....
Chungking.....	May 28-June 24....	.....	.....	Present.
Do.....	June 25-July 1....	.....	.....	Do.
Foochow.....	May 14-20.....	1	.....
Hankow.....	June 25-July 1....	1	.....
Hongkong.....	May 14-June 24....	41	32	
Manchuria—				
Dairen.....	May 15-June 18....	4	1	
Harbin.....	May 22-28.....	1	.....
Mukden.....	June 18-24.....	.....	.....	Present.
Nanking.....	May 7-June 24....	.....	.....	Do.
Do.....	June 25-July 1....	.....	.....	Do.
Shanghai.....	May 22-28.....	1	.....	Native.
Tientsin.....	May 14-20.....	.....	.....	Present.
Tsingtan.....	May 9-June 18....	4	3	
Chosen (Korea):				
Chemulpo.....	May 1-31.....	1	.....
Fusan.....	do.....	118	53	
Seoul.....	do.....	15	2	
Cuba:				
Antilla.....	June 18-24.....	1	.....	Reported for Preston.
Cienfuegos.....	June 24-July 1....	1	.....
Santiago.....	June 1-30.....	3	.....
Dominican Republic:				
San Pedro de Macoris.....	May 21-June 24....	167	2	City and country. Corrected report.
Do.....	June 25-July 22....	136	1	City and district.
Santo Domingo.....	June 4-24.....	3	9	Including vicinity.
Do.....	June 25-July 29...	2	4	Do.
Egypt:				
Cairo.....	Apr. 30-May 6....	4	2	
Port Said.....	June 11-17.....	1	.....
Finland.....	June 1-15.....	1	.....
Fiume.....	June 13-19.....	1	.....
Do.....	July 10-16.....	1	.....
France:				
Paris.....	June 1-10.....	1	1	
Great Britain:				
Sheffield.....	May 28-June 17....	5	.....
Southampton.....	June 18-24.....	2	.....
Halifax.....	.....	.....	.....	Outbreak reported under date of June 17, 1922.
Huddersfield.....	.....	.....	.....	Do.
Greece:				
Saloniki.....	May 1-June 25....	3	1	
Syra Island.....	May 26.....	12	5	
Haiti:				
Cape Haitien.....	June 11-17.....	1	.....
Plaine du Nord.....	do.....	.....	.....	Vicinity of Cape Haitien. Present.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to August 25, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Feb. 26-Mar. 25, 1922: Deaths, 1,162 (date of report corrected).
Bombay.....	Apr. 23-June 10.....	29	14	Mar. 26-May 20, 1922: Deaths, 6,015.
Calcutta.....	Apr. 23-June 24.....	84	67	
Do.....	June 25-July 1.....	4	4	
Karachi.....	May 23-June 24.....	35	9	
Madras.....	May 14-June 24.....	207	94	June 19-25: Cases, 30; deaths, 15.
Do.....	July 2-8.....	57	31	
Rangoon.....	May 7-June 24.....	37	16	
Japan:				
Kobe.....	June 19-25.....	2		
Taiwan Island.....	June 11-30.....	26	3	
Yokohama.....	May 29-June 25.....	4	2	
Do.....	June 26-July 2.....	21	3	
Java:				
West Java—				
Batavia.....	Apr. 28-June 30.....	20	3	City and Province.
Luxemburg.....	June 15-30.....	1	1	
Malta.....	May 1-June 15.....	4		
Mesopotamia:				
Bagdad.....	Apr. 1-May 31.....	12	7	
Mexico:				
Chihuahua.....	June 22-July 2.....		1	
Guadaleajara.....	May 1-31.....	7		
Manzanillo.....	June 6-25.....		4	Estimated cases, 4 to 10.
Do.....	June 27-July 3.....	6	1	Estimated.
Mexico City.....	May 21-June 24.....	129		Including municipalities in Federal District. Report, June 11-17, not received.
Nogales.....	July 22-Aug. 5.....	26	3	State of Sonora.
San Luis Potosi.....	July 23-Aug. 5.....		6	
Panama:				
Colon.....	July 16-31.....	1		
Peru.....				May 1-15, 1922: Cases, 5; deaths, 4. June 1-30, 1922: Cases, 16; deaths, 7.
Poland.....				Mar. 26-June 3, 1922: Cases, 1,022; deaths, 218.
Portugal:				
Lisbon.....	May 29-June 25.....	6	8	Corrected report.
Do.....	June 26-July 8.....	11	10	July 2-15: Cases, 10; deaths, 5.
Russia:				
Estonia.....	May 1-31.....	4		
Lettonia.....	do.....	30		
Senegal:				
Dakar.....	June 1-30.....	4	4	
Spain:				
Barcelona.....	June 22-28.....		1	
Do.....	June 29-July 5.....		1	
Corunna.....	June 11-17.....		1	
Huelva.....	Apr. 1-30.....		2	
Seville.....	June 11-17.....	36		Week ended June 11: Many cases.
Do.....	June 18-July 30.....		87	
Valencia.....	May 21-27.....	1		
Straits Settlements:				
Singapore.....	Apr. 30-June 5.....	11	2	
Switzerland:				
Basel.....	May 28-June 3.....	1		
Berne.....	May 14-20.....	1		
Do.....	July 9-15.....	1		
Zurich.....	Apr. 23-June 24.....	9		
Do.....	June 25-July 1.....	2		
Syria:				
Aleppo.....	June 4-24.....			Present.
Damascus.....	June 18-24.....		2	
Do.....	June 25-July 1.....	5	1	
Tunis:				
Tunis.....	July 17-23.....	1		
Turkey:				
Constantinople.....	May 21-June 24.....	21	6	
Do.....	June 25-July 15.....	7	2	
Union of South Africa.....				Apr. 1-May 31, 1922: Cases, 112; deaths, 10 (colored); white, cases, 33.
Cape Province.....				Apr. 1-May 31, 1922: Cases, 32; deaths, 1 (colored); white, 3 cases.
Do.....	May 7-June 17.....			Outbreaks.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from July 1 to August 25, 1922—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Union of South Africa—Contd.				
Natal.....	.....	.....	.....	Apr. 1-May 31, 1922: Cases, 20; deaths, 8 (colored); white, 20 cases.
Orange Free State.....	.....	.....	.....	May 1-31, 1922: Cases, 12; deaths, 1 (colored). Outbreaks.
Do.....	May 7-27.....	.....	.....	.....
Southern Rhodesia.....	May 11-June 23.....	67	4	.....
Transvaal.....	.....	.....	.....	Apr. 1-May 31, 1922: Cases, 48, colored; white, 10 cases. Outbreaks.
Do.....	May 7-June 17.....	.....	.....	.....
Virgin Islands:				
St. Thomas.....	June 5-18.....	1	1	At quarantine. From vessel from Dominican Republic Sept. 4-24, 1921: Cases, 11; deaths, 4.
Yugoslavia.....	.....	.....	.....	Oct. 23-29, 1921; Cases, 5.
Serbia.....	.....	.....	.....	.....
Belgrade.....	June 11-17.....	1	1	.....
Zagreb.....	June 4-10.....	1	1	.....
On vessels:				
S. S. Changsha.....	May 11.....	1	.....	At Hongkong, China. Case landed from vessel; patient, intending passenger. Vessel proceeded to Australian ports.
S. S. Comerio.....	do.....	1	.....	At sea, en route to Durban, S. A., from Sydney, Australia. (Public Health Reports, June 23, 1922, p. 1555.)
Schr. Fancy Me.....	May 23.....	.....	.....	At St. Thomas, Virgin Islands, from San Pedro de Macoris, Dominican Republic. On case removed to quarantine June 5, died June 18.
S. S. Shelley.....	Apr. 19.....	1	.....	At sea, en route from Hongkong. Vessel left Hongkong Apr. 17. Arrived Thursday Island quarantine, Australia, Apr. 23, 1922. Case, member of crew; type, confluent hemorrhagic.
S. S. St. Albans.....	May 18.....	1	.....	At Thurscove Island quarantine, Australia. Case in person of Chinese steerage passenger. Vessel left Shimonoseki, Japan, for Melbourne via Hongkong and Manila. Left Thursday Island for Australian ports.

TYPHUS FEVER.

Algeria:				
Algiers.....	May 1-31.....	16	4	
Oran.....	June 1-30.....	3	1	
Do.....	July 1-20.....	.....	2	
Asia Minor:				
Smyrna.....	May 14-June 24.....	8	.....	City and district. Corrected report.
Do.....	June 25-July 1.....	3	.....	District.
Austria:				
Vienna.....	May 7-June 10.....	3	1	
Do.....	July 2-8.....	1	1	
Bolivia:				
La Paz.....	Mar. 1-Apr. 30.....	15	8	
Bulgaria:				
Sofia.....	May 28-June 17.....	4	.....
Chile:				
Concepcion.....	Apr. 11-May 29.....	.....	10	
Do.....	June 27-July 3.....	.....	1	
Valparaiso.....	Apr. 2-22.....	.....	6	
China:				
Antung.....	May 15-21.....	1	.....
Foochow.....	May 14-20.....	1	.....
Manchuria:				
Harbin.....	May 8-June 11.....	4	.....
Do.....	June 26-July 2.....	3	.....

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to August 25, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Czechoslovakia:				
Prague.....	June 11-17.....	1	1	
Danzig (Free City).....	June 4-10.....	1		
Egypt:				
Alexandria.....	June 4-24.....	9	6	
Do.....	June 25-July 15.....	7	2	
Cairo.....	Mar. 19-May 6.....	46	31	Relapsing fever, Mar. 26-Apr. 8, 1 case.
Port Said.....	May 28-June 3.....	1		
Do.....	July 2-8.....	1		
Germany:				May 1-6, 1922: Five cases typhus fever at quarantine station of Osternothafen, in persons returning from Russia.
Berlin.....	Apr. 30-May 6.....		1	
Coblenz.....	July 2-29.....	4		
Königsberg.....	May 28-June 3.....	1		
Greece:				
Saloniki.....	May 1-June 18.....	25	1	
Mesopotamia:				
Bagdad.....	Apr. 1-May 31.....	6	1	
Mexico:				
Mexico City.....	Apr. 23-June 24.....	111		Including municipalities in Federal District.
Palestine:				
Jerusalem.....	June 27-July 3.....	1		
Persia:				
Teheran.....	Mar. 22-Apr. 22.....		1	
Poland:				Mar. 26-Apr. 22, 1922: Cases, 7,155. Apr. 23-June 3, 1922: Cases, 7,178; deaths, 490. Recurrent typhus—Mar. 26-Apr. 22, 1922: Cases, 4,515; deaths, 155. Apr. 23-May 6, 1922: Cases, 1,598; deaths, 34. (Corrected report.) May 7-June 3, 1922: Cases, 2,817; deaths, 72. Among transient and permanent residents.
Warsaw.....	Apr. 23-June 24.....	156		
Portugal:				
Oporto.....	May 4-June 24.....	9	4	
Rumania:				Apr. 1-May 31, 1922: Cases, 62.
Cities—				
Bucharest.....	May 1-31.....	14		
Cerenauti.....	do.....	5		
Chisinau.....	Apr. 1-30.....	21		
Cluj.....	May 1-31.....	18		
Constanza.....	do.....	1		
Galata.....	do.....	1		
Sulina.....	do.....	2		
Provinces—				
Bucovina.....	Jan. 1-31.....	35	13	
Chisinau.....	Apr. 1-30.....	14		Recurrent typhus: Cases, 7.
Transylvania.....	Jan. 1-31.....	16	3	
Russia:				
Esthonia.....	Apr. 1-May 31.....	31		
Lettonia.....	do.....	524		Recurrent typhus: Cases, 24.
Spain:				
Madrid.....	May 1-June 30.....		16	
Seville.....	May 21-June 3.....		1	
Tunis:				
Tunis.....	June 4-10.....	2		
Turkey:				
Constantinople.....	May 21-June 24.....	16		
Do.....	July 9-15.....	2	1	
Union of South Africa:				Apr. 1-May 31, 1922: Cases, 736; deaths, 134 (colored); white, 8 cases. Apr. 1-May 31, 1922: Cases, 638; deaths, 125 (colored); white, 7 cases. Outbreaks. Apr. 1-May 31, 1922: Cases, 26; deaths, 4 (colored). Outbreaks. Apr. 1-May 31, 1922: Cases, 49; deaths, 2 (colored); white, 1 case. Outbreaks. Apr. 1-May 31, 1922: Cases, 23; deaths, 2 (colored). Outbreaks.
Cape Province.....				
Do.....	May 7-June 17.....			
Natal.....				
Do.....	May 7-June 17.....			
Orange Free State.....				
Do.....	May 28-June 17.....			
Transvaal.....				
Do.....	May 28-June 3.....			

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from July 1 to August 25, 1922—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Yugoslavia.....				Aug. 7-13, 1921: 2 new cases.
Bosnia-Herzegovina.....	Aug. 7-13.....	1		(1921.)
Croatia-Slavonia.....	Sept. 4-10.....	1		Do.
Serbia.....				
Belgrade.....	May 6-June 3.....	2		
Voivodina.....	Aug. 7-13.....	1		(1921.)
From vessel:				
S. S. Smolensk.....	June 14.....	1	1	From Danzig, May 30, 1922. At embarkation detention camp, Southampton, England. (Public Health Reports, June 30, 1922, p. 1610.)

YELLOW FEVER.

Mexico:				
Tampico.....	July 27-29.....	1	1	From Panuco. Patient brought to Tampico on eighth day of illness.